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Volume 158 No. 1 | 30 Church Street, New York 7, N. Y. | July 3, 1950

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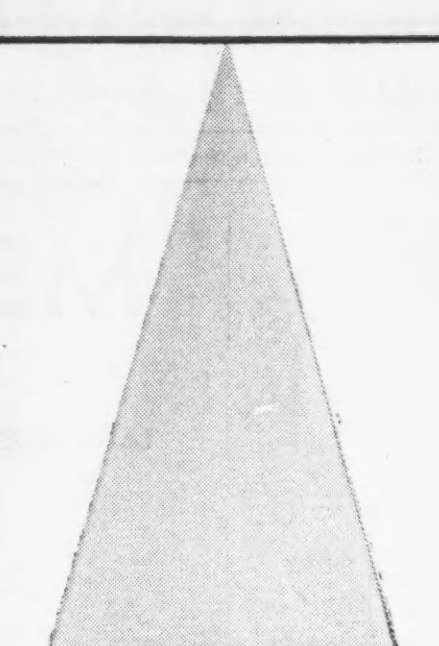

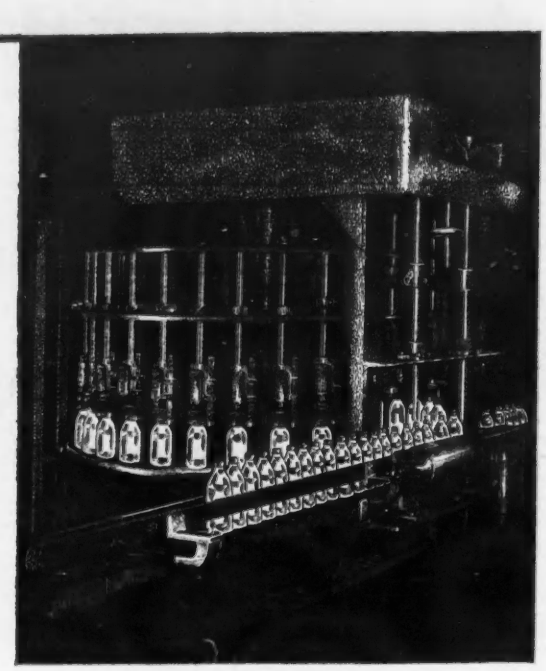

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Oil, Paint and Drug Reporter

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Dye Production, Sales In '49 Reported Lower

Total output of dyes in 1949 was 139,000,000 pounds, a decline of 31 percent from the 201,000,000 pounds produced in 1948, according to the United States Tariff Commission. Sales in 1949 amounted to 136,000,000 pounds, valued at $142,000,000, compared with 187,000,000 pounds, valued at $164,000,000, in 1948, a decline of 27 percent in quantity and 13 percent in value.

Production of dyes grouped by Colour Index number was 100,000,000 pounds in 1949, compared with an output of 152,000,000 pounds in 1948; the production of dyes grouped by Foreign Prototype number was 20,000,000 pounds in 1949, compared with 28,000,000 pounds in 1948; and the production of ungrouped dyes was 18,000,000 pounds in 1949, compared with 22,000,000 pounds in the preceding year.

Four chemical classes of dyes accounted for 86 percent of the total output of dyes in 1949. These were:—Azo dyes, which accounted for 41 percent of the total; anthraquinone vat dyes, 19 percent; indigoid dyes, 13 percent, and sulphur dyes, 13 percent. The output of each of the four classes was smaller in 1949 than in 1948.

By class of application, the output in 1949 of vat dyes (45,000,000 pounds) accounted for 32 percent of the total production of all dyes; direct dyes (30,000,000 pounds) accounted for 22 percent, and acid dyes (18,000,000 pounds) accounted for 13 percent.

Among the individual dyes produced in large volume are synthetic indigo, production of which totaled 13,400,000 pounds in 1949, compared with 22,200,000 pounds in 1948; sulphur black, 9,400,000 pounds in 1949, compared with 13,500,000 pounds in 1948, and 32,400,000 pounds in 1947; direct black EW, 3,400,000 pounds in 1949, compared with 14,100,000 pounds in 1948; and anthraquinone vat jade green, 5,300,000 pounds in 1949, compared with 4,000,000 pounds in 1948.

Output of azoic dyes and their components totaled 7,400,000 pounds in 1949, or 20 percent less than the 9,300,000 pounds produced in 1948; the output of rapidogens was 1,700,000 million pounds in 1949, only slightly less than the output in 1948.

Health Plan Hearings Set

The senate expenditures committee last week scheduled hearings July 6, 7 and 10 on Senate Res. 320, disapproving reorganization plan 27, which would establish a Department of Health, Education and Security.

Medical Administration Plan to Be Discussed

The senate committee on labor and public welfare has scheduled hearings July 10 to 12 on S. 2008, a bill designed to consolidate certain hospital, medical, and public health functions of the government into a United Medical Administration. The legislation is along the lines recommended by the Hoover Commission.

Ammonia Plants Erection In Italy Approved by ECA

Three basic industrial projects designed to further the recovery of Italy have been approved by the Economic Cooperation Administration, it was announced last week. Overall cost of the three projects is $34,525,000, of which $13,382,000 will be financed by ECA. The projects cover:—

1. Petroleum cracking units at the Rome and Genoa refineries and a lubricating oil unit at the Milan refinery for Societa Permolio. Overall cost is the equivalent of $4,984,000, including $1,534,000 of ECA financing.

2. Construction of an ammonium sulphate plant at Bagnoli for Societa per l'Industria e l'Elettricita (TERNI), to cost the equivalent of $11,320,000, including $4,500,000 in ECA financing.

3. Construction of a plant for the production of synthetic ammonia from natural gas in the Poe Valley for Montecatini Company, Milan, to cost $18,221,000, including $7,348,000 in ECA financing.

The ammonium sulphate plant will have an annual capacity of 170,000 tons containing 35,000 tons of fixed nitrogen. It will use coke-oven gas from a nearby steel mill. Italy's estimated requirements for fixed nitrogen for agricultural purposes is set at 220,000 tons by 1952.

The plant for production of synthetic ammonia from natural gas is expected to have a capacity of 60,000 metric tons.

Aureomycin Contract Let

The Department of Defense last week announced that the armed services medical procurement agency, Brooklyn, N. Y., had awarded a contract of $129,189 to the American Cyanamid Company, Lederle Laboratories Division, for 6,528 bottles of aureomycin hydrochloride capsules, 0.25 gm., and a contract of $165,000 to Parke, Davis & Co. for 5,280 bottles of chloramphenicol capsules, 0.25 gm.

Drug Makers' Prescription Legend Rights Threatened by House Bill

Changes in the federal food, drug and cosmetic act which would limit the rights of drug manufacturers to prescribe how their products may be sold, and indirectly open the door to the sale of a wider range of drug items in grocery and food stores have been proposed in congress by retail druggists.

Sponsored on behalf of the druggist by Representative Carl T. Durham of North Carolina, a pharmacist by profession, the changes have been embodied in a bill (H.R. 8904) now before the house interstate commerce committee. The committee has fixed no date for its consideration, but introduction of the bill has caused a stir in both ethical and proprietary drug manufacturing circles.

The bill is designed primarily to clear up the confusion among pharmacists over their rights to refill prescriptions without the specific authority from the physician. The Food and Drug Administration, a year ago, laid down the rule that no prescription should be refilled unless so ordered by the doctor. This was contrary to the general practice of the pharmacist, which has been to refill all prescriptions except those containing narcotics or dangerous drugs.

To eliminate this confusion, it is proposed in the bill to authorize FDA to draw up a list, after investigation and public hearings, of those drugs which cannot be used in prescription refills without the specific permission of the physician. The list would consist of those drugs which FDA finds to be unsafe or ineffective for use without professional diagnosis or supervision.

Would Change Status of Drugs

Persons who have made a close study of the bill state the establishment of such a list by FDA would be tantamount to an official opinion by the agency that all other drugs not on the list are safe and harmless for use without the supervision of a physician and thus are in the same category as over-the-counter items.

Under existing law a drug manufacturer more or less decides the disposition of his products by the type of labeling he chooses to use. Some manufacturers lean to the prescription legend policy and simply state that the drug is to be dispensed only on the precription of a physician. Others label their products as to dosage and use and thus cater to the over-the-counter market.

The effect of giving FDA the authority to list those products that cannot be used in refills without permission, it is explained, is to take from the manufacturer who follows the prescription legend policy the right to state whether his product is to be sold only on prescription.

Increased Food Store Sale

Another point raised in connection with the bill is that it might lead to increased sales of drug items by food stores. This would come about, it is reasoned, by the fact that when FDA turns down a product for inclusion on the list of prescription drugs, the argument for over-the-counter sale is thereby strengthened. That being the case, it is added, the argument of a druggist that a product should be dispensed only in a drug store is weakened.

Antibiotics Certification Rules Revised by FDA

The Food and Drug Administration last week issued an order amending its regulations covering the certification and testing of certain antibiotics.

The order provides for tests and methods of assay and for certification of procaine penicillin and streptomycin in oil and procaine penicillin and dyhydrostreptomycin in oil; for revocation of the requirement that the labeling of penicillin with vasoconstrictor bear a statement that the drug should be administered only by a physician, dentist or a veterinarian; for certification of containers of a suspension of procaine penicillin that contains less than one milliliter, if such containers are packaged to contain a single dose and each container contains 300,000 units or 600,000 units; and for exempting from the certification requirements bacitracin for diagnostic use that contains no more than twenty units of bacitracin.

Antihistaminics' Failure Against Coryza Told

Four antihistaminic drugs—thonzylamine, chloroprophen-pyradiamine, doxylamine and pyrathiazine—were found to be ineffective in preventing or revealing the symptoms of "the common cold" in a study recently completed at the United States Naval Training Center, Great Lakes, Ill., it was announced by the Department of Defense last week.

One general conclusion to be drawn from the study, the department said, is that there is no significant difference in the results obtained when prevention or treatment of "the common cold" is undertaken with the antihistaminic drugs studied, inert substances or typical "cold tablets." The investigation did not explore the value of the four antihistaminic drugs upon allergies, and known allergic patients were excluded.

House Passes Revenue Bill With Cut in Excise Taxes

The house passed the revenue act of 1950 last week by a vote of 375—14 after turning back a Republican motion to kill off proposed increases in corporation taxes by a vote of 238—147. The Republican motion was to send the bill back to committee and bring in a new bill providing only for repeal and reduction of certain excise taxes.

The bill cleared the house after two days of general and "gag" procedure that prevented the offering of any amendments from the floor and only the single motion to recommit, which the Republicans exercised unsuccessfully. It repeals and reduces excise taxes by over $1,000,000,000 and recoups this revenue loss and picks up about $400,000,000 of "new" revenue through other amendments to the law, including an increase in corporation taxes in the higher income brackets.

U.S. Suspends Export Licenses for N. Korea

The office of industry and commerce of the Department of Commerce has adopted the following order:—

"It is hereby ordered that, effective at 4 p.m. eastern daylight time, June 28, 1950, all export licenses, both validated and general, authorizing exportation of any commodity, whether or not included on the positive list of commodities (Section 399.1), or technical data, to North Korea, are suspended.

"This order shall not apply to exportations to that destination which have been laden aboard the exporting carrier prior to its effective date. Shipments of United States goods for export to South Korea are not covered by this order and shall be cleared for export in accordance with the usual procedures and regulations."

NACA Offers Assistance To Food Additives Probers

National Agricultural Chemicals Association last week pledged its cooperation with the house committee soon to be established to investigate the use of chemicals in the production and processing of foods (OPD, 6/26/50, page 3).

Lea S. Hitchner, executive secretary of the association, stated that "just as NACA offered its facilities and cooperation to the Food and Drug Administration in the residue tolerance hearings, this association extends its services to the congressional committee and will provide such information and data as is available."

CCC Funds Bill Signed

President Truman last week signed the Commodity Credit Corporation bill after the senate completed congressional action by voting 36—35 in favor of a compromise agreement that had been worked out with the house. The bill adds $2,000,000,000 to CCC funds for supporting farm prices.

Price Trend Makes Another Gain

The coming of a new quarter brought many price changes in the markets for chemicals, oils, and drugs last week. Most of them, but by no means all, were on the upside. There were changes in all the ten major divisions of the markets; but, in two of them, no change in the price average was effected. The net results in the others were four advances and four reductions; but, the former far outweighed the latter, and the overall index number was raised 0.5 point, to its highest mark in eleven weeks.

The new mark, 121.1 compares with 121.7 at the beginning of the second quarter, 124.8 at the beginning of this year, and 127.9 a year ago. The latest changes put the heavy chemical number above its 1949 mark, along with fats and oils, botanical drugs (despite recent weakness), essential oils, and fertilizer materials.

Most of the week's price advances were in the chemical groups, both inorganic and organic; but, there was a drop in coaltar chemicals. An advance in chlorine was reflected in similar movements by five inorganic chlorides and five organic chlorine compounds. The chlorine situation is worsening. Sulphuric acid was not raised; but, there were advances in sodium and zinc sulphates and hydrosulphites. Soda ash and caustic soda, caustic potash and the carbonate were advanced. So were calcium arsenate (DDT being scarce) and metallic naphthenates. The advances in the organic areas were mostly in alkyl groups—alcohols, esters, and other compounds; although the amines were on both sides of the movements.

Nonferrous metals were not widely active: tin was advanced; lead was reduced, carrying down its oxides, and basic pigments, including leaded zinc oxide. Some barium salts were advanced. Cyanamide was reduced.

Botanical materials were weaker in several places. The divided movement in essential oils was trebly on the upside; a cut in menthol was the lone change in aromatic derivatives. Animal derivatives were split, with egg albumin and casein higher, and dried blood, hoofmeal, and tankage lower.

Fats and oils also were divided, but mostly on the upside, corn, peanut, and soybean oils being down. Trading was dull. Imports of cottonseed oil from Brazil were remarked.

Buying interest continued as it had been for some weeks, ranging from dull in botanical drugs, through quiet in fertilizers, to active in most industrial chemicals.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

June 30, 1950	June 23, 1950	Dec. 30, 1949	July 1, 1949
121.1	120.6	124.8	127.9

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2
June	120.7	128.7	143.9	135.4	121.9

Amer. Plant Food Council Told Production Breaking All Records

The fertilizer industry has broken all plant food production records for eleven consecutive years, furnishing farmers with 18,542,000 tons last season, compared with 7,758,000 tons in 1938, or an increase of 139 percent, according to Clifton A. Woodrum, president of the American Plant Food Council.

Speaking on the opening day at that organization's fifth annual convention, held in Hot Springs, Va., June 29 through July 2, Mr. Woodrum described the industry as a vast network of over 1,100 fertilizer mixing plants conveniently located to meet the needs of farmers. He added that, in addition, millions of dollars are invested in mining operations, refineries and chemical manufacturing plants to supply the necessary raw materials, such as nitrogen, phosphate and potash, used in making fertilizers.

Mr. Woodrum said that "no country in the world has a fertilizer industry so well geared to the needs of farmers as the industry in the United States. "Since the formation of the council, five years ago, we have witnessed a phenomenal growth and expansion of the fertilizer industry."

Clifton A. Woodrum

He pointed out that fertilizer consumption was 13,500,000 tons on June 30, 1945, compared with 18,500,000 tons reported for the past season. Mr. Woodrum said the great expansion in the fertilizer industry is attributable to several reasons:

(1) The farmers of America have become more and more aware of the fact that by the proper use of fertilizer they can not only obtain increased production at lower unit costs but more nutritious crops.

(2) Farmers have realized that proper conservation and protection of soil fertility requires, among other procedures, the application of plant foods.

(3) Higher farm income has brought greater consumption of commercial fertilizers.

(4) During the past few years, great areas of the country, particularly in the midwest, have suddenly awakened to the great advantages to be derived from the use of commercial fertilizers.

Mr. Woodrum said the fertilizer industry's development during the war and postwar years can best be described by Dr. Richard Bradfield, head, department of agronomy, Cornell University, who said:—

"We have a highly developed chemical industry to supply us with high-grade fer-

—Continued on page 74

Cyanamid Plans $3,000,000 Ill. Catalysts Cracking Plant

American Cyanamid Company, New York, announced last week that it will soon begin construction of a $3,000,000 plant in East Chicago, Ill., to produce cracking catalysts for the petroleum industry located in the midwest and along the Atlantic seaboard. Cyanamid is one of the leading producers of synthetic catalysts and when the East Chicago Plant is completed, present capacity will be increased by more than 50 percent, which will mean production of more than 3,000 tons of these catalysts per month. It is expected that the new facilities will be in operation towards the middle of 1951.

Before the decision to construct this plant was made, the company said, the requirements of the American petroleum industry were carefully studied. Not only is the usage of synthetic cracking catalysts increasing rapidly, it was found, but also many oil companies have located catalytic cracking plants throughout the Midwest and Atlantic seaboard near such cities as Chicago, St. Louis, Detroit, Cleveland, Metropolitan New York and Philadelphia. The new plant will have a favorable geographic location as far as these areas are concerned. Cyanamid already has a plant in Fort Worth, Tex.

Fats and Oils Import Control Extension Voted

Legislation to extend import controls over fats and oils, rice and rice products and butter for another year, until July 1, 1951, was sent to the White House for the president's signature by the house last week. An effort to recommit the bill was defeated by a vote of 264-72, and the bill was passed by a voice vote. The president was expected to sign the measure before the lapse of the old law.

The bill continues the same controls that have been in existence over fats and oils over the past several years, except that an exception is to be made this year in the case of coconut products, including coconut oil. Coconut oil was exempt from control in the bill because candy manufacturers said they needed the product and there is no substitute for it.

During floor debate in the house, efforts were made by the dairy bloc to have the coconut exemption eliminated from the bill, but these failed, as did efforts of other groups to impose import restriction on petroleum, potatoes, hams and other agricultural products.

Armour to Offer ACTH To Registered Hospitals

Armour & Co., Chicago, Ill., has made ACTH immediately available to all 6,572 hospitals registered by the American Medical Association. The action on the new hormone followed an earlier move by Merck & Co., Rahway, N.J., in announcing that cortisone will be distributed to such hospitals this month (OPD, 6-26-50, page 5).

According to the Armour announcement, a booklet containing a summary of clinical information on ACTH is being sent to hospitals stating that the drug is available to meet all valid requests. The firm said that increasing output of the hormone had made the action possible, but added "we have not reached the point where patients can go into a doctor's office and get an injection of ACTH."

Carbide Making Isopropyl Benzoate in Large Lots

Isopropyl benzoate is being manufactured in commercial quantities for the first time by Carbide & Carbon Chemicals Division of Union Carbide & Carbon Corporation, New York. Its price is 22 cents per pound in tankcars, f.o.b. Institute, W. Va., which the company claims is competitive on a contained acid basis with the impure grades of benzoic acid.

Carbide also announced a reduction in price of 2-ethylbutanol from 28 to 26 cents per pound in tankcar lots; from 29.5 to 27 cents per pound in carload lots of fifty-five-gallon drums and to 28 cents per pound in less carload lots, drums.

Antara Appoints Lucking Assistant Sales Manager

W. H. Lucking has been appointed Assistant Sales Manager of Antara Products, General Aniline & Film Corporation. He will make his office at 444 Madison avenue, New York. Mr. Lucking did production research work in the chemical and metal industries from 1916 to 1920. He was subsequently with National Aniline, the Huber Company and the C. K. Williams Company, joining the sales staff of Antara Products in 1948.

Foote Cuts Lithium Salts

Foote Mineral Company, Philadelphia, has announced price reductions up to 10 percent on its line of lithium compounds. The company stated that the action, which became effective July 1, was made possible because of direct savings from newly-developed processing technics. The materials have wide application in all-purpose greases, ceramics and porcelain enamels, air conditioning, welding fluxes and other chemical products.

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CSC Vice-President

Harold J. Henry, former president and general manager of Tek Hughes, Inc., a subsidiary of Johnson & Johnson, has been appointed vice-president in charge of sales by Commercial Solvents Corporation, New York. He will succeed Henry W. Denny, who has retired.

Tenn. Eastman Advances Cellulose Acetate Prices

Tennessee Eastman Corporation has issued a new price list revising upward the cost of its "Tenite" cellulose acetate and cellulose acetate butyrate thermoplastics. The price of "Tenite I," the cellulose acetate plastic, is increased up to 5 cents per pound, depending on color group and quantity bracket. The price of "Tenite II," cellulose acetate butyrate, is increased a uniform 3 cents per pound for all color groups and quantity brackets. Reprocessed colors of "Tenite I" are discontinued, although orders in limited quantity will be accepted for immediate shipment until July 26 at the price appearing on the previous schedule, dated November 16, 1949.

Coconut Oil Tax Favor Urged for Trust Area

Coconut oil imported into the United States from the trust territory of the Pacific Islands would be treated, for tax purposes, the same as coconut oil from any possession of the United States under S. 3817 introduced in the senate by Senator Millard Tydings, chairman of the senate armed services committee.

The bill amends section 2470 (a) (12) of the internal revenue code, relating to additional rate on coconut oil, by adding the words "or the trust territory of the Pacific Islands" to the exemption clause, and amends section 2483, relating to payment of proceeds of processing tax, by adding the same phrase.

Harwick Chemical Has Two New Plasticizers

Two new plasticizers, "Polycizer 332" and "Polycizer 162," are being distributed by Harwick Chemical Company, Akron, Ohio, for use in compounding vinyl and other synthetic resins and rubbers. "Polycizer 332" is an odorless dioctyl adipate that is low in acid and practically colorless and the other is classified as dioctyl phthalate that is recommended as an all-purpose plasticizer for use with all types of resins.

Benzophenone for Use As Intermediate Offered

Kay-Fries Chemicals, New York, is making available an "intermediates" grade of benzophenone, in order to stimulate use of this material in commercial chemical synthesis. A perfume grade of benzophenone has long been made by the company but the new grade is lower in price by more than 20 percent.

Bodeker Names Treasurer

Bodeker Drug Company, Richmond, Va., has appointed E. Elwood Ford as treasurer of the company, a position formerly held by the president, William T. Allen. Mr. Ford joined Bodeker June 1 after three years as professor of accounting at the University of Richmond.

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Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Amyl crotonyl acetate.
Dimethyl chloroacetal.
Lauryl biguanidine chlorhydrate.
2-Methyl-4 amino-1-naphthol hydrochloride.
Trihexyl phenidyl 3-(1-piperidyl)-phenyl-1-cyclohexyl-1-propanol hydrochloride.

ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall plan countries during the period June 23 to 29 were the following:—

To Austria—$20,000 for crude drugs, herbs, vegetable tallow and waxes, $15,000 for tall oil, copal, natural gums and resins for pharmaceutical uses, $192,000 for inedible tallow and grease, $180,000 for petroleum, $40,000 for alcohol, $30,000 for tung oil, $600,000 for copper products, $470,000 for non-metallic minerals, $250,000 for zinc, $180,000 for industrial chemicals other than alcohol, and $70,000 for casein, all from the United States; $150,000 for non-metallic minerals from Canada.

To Belgium-Luxemburg—$2,000,000 for nonmetallic minerals, and $200,000 for soap stocks and fatty acids from the United States.

To Denmark—$160,000 for gum and wood rosin, $1,550,000 for copper products, $100,000 for nonmetallic minerals and $100,000 for chemical preparations from the United States.

To France—$180,000 for nonmetallic minerals, $35,000 for oil cake and meal, $2,695,000 for petroleum, $37,000 for copper, $30,000 for nickel, $100,000 for essential oils, $50,000 for lecithin, $70,000 for non-ferrous metals, $370,000 for nonmetallic minerals, $1,328,000 for chemical preparations, $320,000 for industrial chemicals, other than alcohol, and $285,000 for medicinal preparations, all from the United States; $9,170,000 for petroleum from Latin America and the Middle East; $6,250,000 for copper from Belgium; $20,000 for essential oils, and $15,000 for naval stores from Latin America.

To French North Africa—$240,000 for tinplate and $200,000 for petroleum from the United States.

To French Overseas Territories—$3,000,000 for petroleum from the United States.

To Germany—$500,000 for tung oil and oiticica oil from the United States.

To Greece—$95,000 for blackstrap molasses from the United States and Latin America.

To Korea—$290,000 for chemical prepa-

—Continued on page 75

Dr. Fenger Retires After 44 Years at Armour Labs

Dr. Frederic Fenger, internationally-known research chemist in endocrine gland physiology, has retired from his post at the Armour Laboratories, Chicago, Ill., after forty-four years of service.

Dr. Fenger became a member of the Armour staff in 1906, and his early work with the thyroid and posterior pituitary hormones resulted in establishment of potency standards, thus opening the way to their use in medicine. Working in cooperation with the then U. S. Bureau of Health, he was the first to discover that the iodine content of the thyroid varied with the season in cattle, hogs and sheep, which findings led, in 1913, to the fixing of dosage standards on the iodine content.

He was also one of the earliest investigators of enzymes and also did notable research in insulin, epinephrin and other hormones.

Arnold, Hoffman Board Gets Five I.C.I. Men

Negotiations by Imperial Chemical Industries, Ltd., London, for acquisition of 70 percent of the capital of Arnold, Hoffman & Co., Providence, R. I. (OPD, 3/13/50, page 5), have been completed and the following I.C.I. men have been appointed to the board of the United States firm:

S. P. Chambers, finance director; J. L. S. Steel, development director; E. J. Barnsley, president of Imperial Chemical Industries (New York), Ltd.; Dr. J. Avery, production director of dyestuffs, and E. Herbertson, overseas sales manager for the dyestuffs division.

Great Lakes Carbon Corp. Buys Laclede Coke Plant

Great Lakes Carbon Corporation, New York, has purchased the coke plant of the Laclede Gas Light Company, St. Louis, Mo. Operations of the unit, which has a production capacity of approximately 250,000 tons of coke annually, continued without interruption despite transfer of ownership. The plant also produces large quantities of coaltar, ammonium sulphate, nitration and industrial benzol, toluol, pure grade of xylol, crude light and heavy solvent and crude still residue.

P.A.'s-Eye View of Business

Composite view, July 2, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

The second quarter ends with general business at the high point of the year. Purchasing agents report June held the advances of April and May, and moved substantially higher with production and new orders. Much of the increase in June activity was in anticipation of the July industrial vacation closedowns.

Prices continued to advance over a broad front, with nonferrous metals in the van. Inventories increased for the second consecutive month, with turnover reported generally improving and satisfactory. Some find the turnover of materials is handicapped and production is unbalanced by the slow delivery of hard-to-get materials. Employment is at the highest point of the year. Improved employee productivity is indicated by 85 percent of those reporting. The predominant buying policy is being dictated by the production schedules for purchased requirements; it is on the high side of thirty to ninety days, with 8 percent exceeding this range by one to two months.

The second quarter is closing with considerable optimism that business will remain at present high levels through most of the third quarter.

Commodity Prices

Sparked by sharp increases in copper, nickel, and zinc, industrial prices advanced over a wide range. Lead was the only nonferrous metal to show weakness during the month. Buyers are watching the current price trend closely and are critical of sympathetic advances during the past two months. Companies are beginning to revert to some of the lower-cost substitutes used during other periods of high prices. Sharp competition, to maintain volume, is reported in fabricated goods.

Inventories

One third of the purchasing agents contributing to the survey show inventories moderately increased in June. Larger production requirements call for expanded protective stocks. The majority, however, report they are increasing or maintaining satisfactory turnover rates. A few are running into difficulties because the short supply of a few essential materials is causing inventories to become unbalanced.

Employment

A sharp rise in payrolls is recorded for the month, following a steady increase since March. A part of it is seasonal and outdoor work, but industrial employment is still on the increase. Checking on employee productivity, purchasing agents report the most satisfactory condition in many months: 85 percent report improvement, much of it stemming from improved aids to manufacture and satisfactory labor relations.

Buying Policy

With prices showing an inflationary trend, buyers are taking as short a view of future coverage as possible. It is necessary, however, to support production schedules and allow for the increase in procurement lead time of many materials. The top side of the thirty-day to ninety-day bracket is the general policy of the day, going one to two months further where necessary to assure deliveries.

Specific Commodity Changes

Important commodity changes for June were on the upside. Nickel, copper, and zinc headed a long parade of price rises. Lead was the only principal metal to show weakness, and that late in the month.

Included in the price upswing were alcohol, aluminum, abrasives, alkali, benzol, caustic soda, soda, ash, chlorine, cornstarch, some electrical equipment, folding cartons, glass, hides, lumber, mica, nails, paint materials, paper, phenol, rubber, styrene powder, steel items, textiles, tin, tires.

Down were burlap bags, corrugated cartons, coal, tung oil, rosin, tallow.

Hard to get were copper, zinc, benzol, brass, cellophane, chlorine, lumber, steel.

Canada

General business conditions in Canada changed for the better in June. Production is up, but the rate of acceleration is exceeded by the rate of orderbook increases. Prices have caught up with the May and June trend in the United States. Inventories are lower, but the rate of growth of employment is greater than in the States.

Washington Talks It Over

By Ralph L. Cherry

The Federal Trade Commission has just cast a long shadow of doubt on the legality of uniform markups employed by sellers in some industries. And it doesn't take any formal agreements or backroom conferences among the competitors agreeing on markups to make them illegal by FTC criterions. The mere fact that everyone uses the same markup is enough to point a finger of suspicion at the industry.

The occasion for the commission's expressing its viewpoint on uniform markups—and it must be taken as a warning by those industries where this practice is pursued—was a question raised in some correspondence with an advertising agency which asked what percentage should be added to basic cost in selling a product. After explaining that it did not have this kind of information available for distribution and wouldn't give it if it were available, the commission added:—

"No principle is more firmly established under the antimonopoly laws than that it is an unreasonable restraint of trade and an unfair method of competition for enterprises in the same line of business to agree upon selling prices or upon significant elements in selling prices. It is also well established that an agreement is found where there is an actual meeting of the minds, whether or not there has been a formal exchange of views or a formal drafting of the agreement, and whether or not the agreement was reached through an intermediary. Accordingly, your search on behalf of your client for an 'accepted' ratio of cost to final selling price is one which, if successful, might subject both that client and your agency to serious legal risks. . . .

"If your client desires to price his product by adding to the basic cost a markup to cover expenses of distribution and profits, his safest course is to base that markup upon his own estimates of the amount of these costs, the way they will be affected by changes in volume of business, and the way in which the demand for his product will be affected by its price."

Bitter Battle in India

The long and heated arguments between the dairy farmers and the vegetable oil producers over whether either should have a priority on the consumers' pocketbook is not something peculiar to this country. Way over in far-off India battle lines are being drawn between the dairy and vegetable oil blocs over essentially the same questions which took this country nearly fifty years to settle.

Word has come, via the Office of For-

—Continued on page 34

Named by Celanese

Robert H. Kampschulte has been named by the chemical division of Celanese Corporation of America, New York, to the post of district manager for the eastern sales area. Active in chemical sales for the past fourteen years, Mr. Kampschulte has represented Celanese since 1946.

U.S.—Mexican Trade Agreement Terminated

The trade agreement between Mexico and the United States, signed by the two governmnts in December, 1942, was formally terminated last week, effective December 31, 1950. The agreement has largely been in suspension, insofar as concessions by Mexico on products of the United States is concerned, since 1947, when Mexico began experiencing an extreme imbalance of trade and was forced to restrict imports.

Termination of the agreement will result in the tariff rates on several products in the chemicals and allied fields increasing by as much as 50 percent, and an important change with respect to the treatment of oil imports.

The agreement with Mexico had modified the Venezuelan agreement insofar as oil is concerned so as to reduce the duty on all oil imports to 10½ cents per barrel. Under the Venezuelan agreement which now comes back into force, the 10½ cents duty applies only to imports which do not exceed 5 percent of last year's refinery output. All imports in excess of that will pay the full duty of 21 cents a barrel.

Other Products Affected

Among other products affected by termination of the agreement and the new rates that will apply after January 1 on imports into the United States are:—

Naphthenic acids, increased from 12½ percent ad valorem to 25 percent advalorem.

Turpentine and rosin, increased from 2½ percent advalorem to 5 percent advalorem.

Zinc sulphate, increased from ½ cent per pound to ¾ cent per pound.

Fluorspar containing more than 97 percent of calcium fluoride, increased from $4.20 per ton to $5.60 per ton; fluorspar containing not more than 97 percent calcium fluoride, increased from $6.30 per ton to $8.40 per ton.

Molybdenum ore or concentrates, increased from 17½ cents per pound on the metallic molybdenum content to 35 cents per pound.

Lead bearing ores, flue dust, and mattes of all kinds, increased from ¾ cents per pound on the lead content to 1½ cents per pound.

Lead bullion or base bullion, lead in pigs, and bars, lead dross, reclaimed lead, scrap lead, antimonial lead, antimonial scrap lead, type metal, Babbit metal, solder, all alloys or combinations of lead not specially provided for, increased from 1 1 16 cents per pound on the lead content to 2⅛ cents per pound.

Dried blood albumen, light, increased from 6 cents per pound to 12 cents per pound.

Vegetable oil cake and oilcake meal, not specially provided for:—coconut or copra, increased from 2 10 cents per pound to 3 10 cents per pound; cottonseed, increased from 2 10 cents per pound to 3/10 cents per pound.

Wax matches:—product of Cuba increased from 16 percent advalorem to 36 percent advalorem; other than the product of Cuba, increased from 20 percent advalorem to 40 percent advalorem.

Monsanto Names Tarr European Technical Head

Philip R. Tarr, assistant to Dr. Charles Allen Thomas, executive vice-president of Monsanto Chemical Company, St. Louis, has been appointed to the newly created position of European technical representative, with headquarters in Paris, France. He will be succeeded by Jean R. Okel, development superintendent in the company's John F. Queeny plant, who will be succeeded, in turn, by Louis F. Ray.

Mr. Tarr came to Monsanto in January, 1946, as assistant to the secretary of the executive committee, becoming assistant to Dr. Thomas later in that year. Prior to the war he was a research chemist for the Pittsburgh Coal Company.

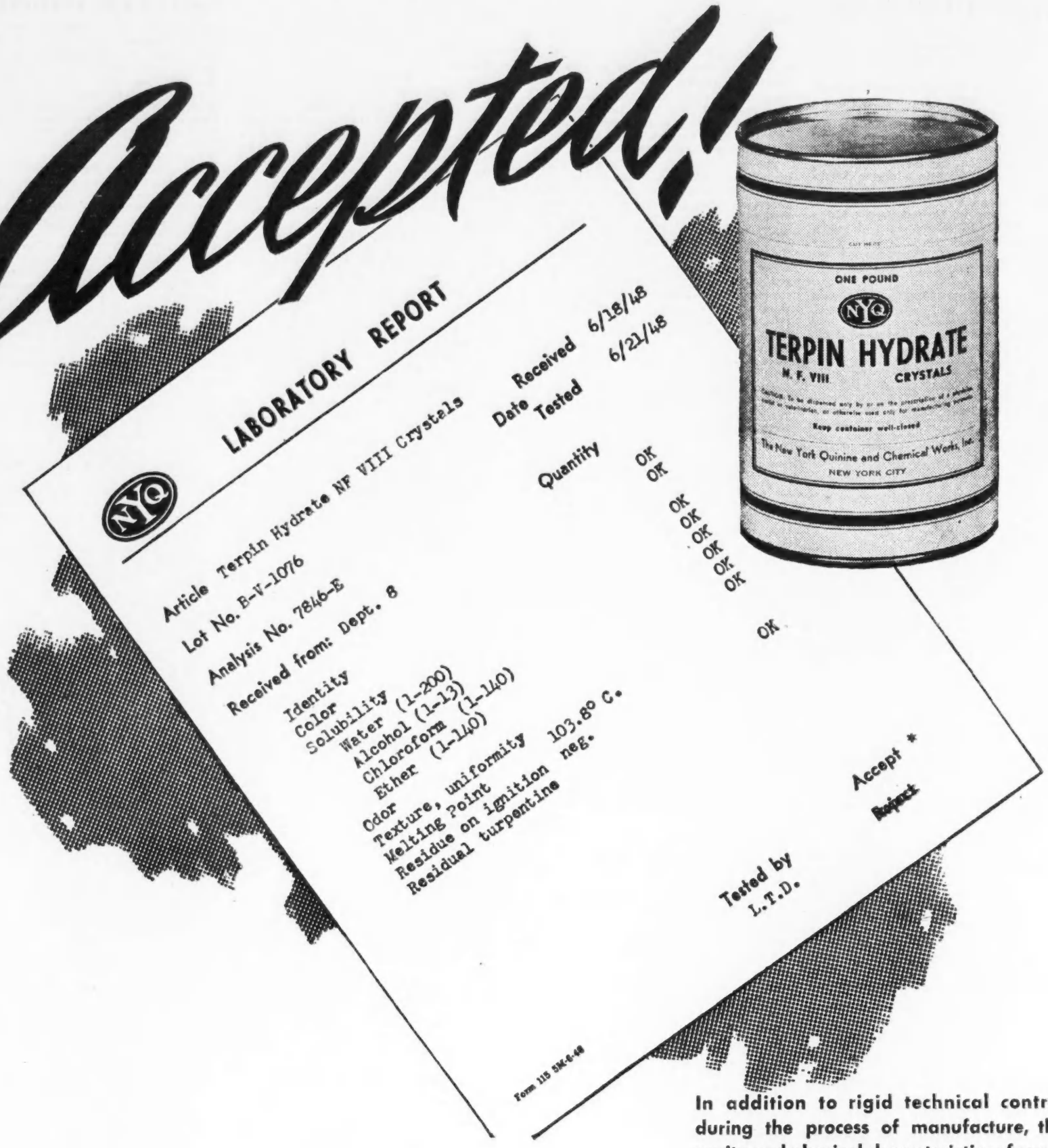
Mr. Okel joined Monsanto in 1942 as a department supervisor in the John F. Queeny plant and in 1946 was appointed project engineer of the plant development group. He was named assistant development superintendent in 1948 and became development superintendent in 1949. Before coming to Monsanto, he was employed in the industrial engineering department of the Titanium Division of National Lead Company.

Mr. Ray came to Monsanto as an analytical chemist in November, 1938, when he was employed by the John F. Queeny plant. He rose through various levels of operating supervision to become area supervisor in 1943. Since that time he has been in charge of three department groups consecutively.

Carbide Appoints King

Frederick C. King has been appointed technical representative of the synthetic fibers department, Carbide & Carbon Chemicals Division, Union Carbide & Carbon Corporation, New York. Prior to coming with Carbide, Mr. King was associated with Burlington Mills and E. I. du Pont de Nemours & Co., Inc.

Accepted!



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Upjohn-Penick Expedition For Africa Plants Ended

The Upjohn-Penick expedition for botanical exploration, organized primarily for the purpose of surveying the availability of arrow poison plants, particularly the genus *Strophanthus*, in Africa has completed its field work under the supervision of L. J. Brass, field director, and E. F. Woodward, chief pharmacognosist for S. B. Penick & Co., New York, and business manager of the expedition.

Search for *Strophanthus* was instituted early in May, 1949, shortly after the announcement by Drs. Hench and Kendall of the Mayo Clinic, of the dramatic response secured in arthritis patients by treatment with cortisone. The Upjohn Company, Kalamazoo, Mich., approached S. B. Penick for supplies of *Strophanthus sarmentosus* or of sarmentocymarin, the chemical reported to be present in this species.

Only two species of *Strophanthus* are known commercially but their suppliers were approached to obtain samples of *Strophanthus sarmentosus* for experimental work. Detailed study of the isolation of sarmentocymarin established that little was known of the exact botanical identification of the species of *Strophanthus* from which the chemical was secured. Consequently, The Upjohn Company and S. B.

—*Continued on page 73*

Cortisone Source Claimed For South African Plant

According to a European botanist, resident in South Africa for forty-five years, the forest yam, *Dioscorea sylvatica*, has shown most promising results as a source of cortisone, according to a report to the Department of Commerce.

The botanist further states that *Dioscorea (Testudinaria) elephantipes* is considered to be more valuable as a source. He claims that he has personal knowledge of the location of large quantities of the latter in the Union, and says that he will reveal this information—for a consideration.

Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.

American Association of Textile Chemists and Colorists, Portsmouth, N H., September 28-30.

American Bar Association, Food, Drug and Cosmetic Law Division, annual meeting, Federal Security Agency auditorium, Washington, D. C., September 18-22.

American Gas Association, Atlantic City, October 2-6.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16.

American Soybean Association, Springfield armory, Springfield, Ill., August 28-30.

Associated Chain Drug Stores, New Yorker hotel, New York, September 24-27

Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.

Congress of the International Union of Leather Chemists Societies, London, September 10-13, 1951.

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23.

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25.

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11.

International Microchemical Congress, Graz, Austria, July 2-6.

National Association of Retail Druggists, Long Beach, Calif., October 15-21.

National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19.

National Chemical Exposition, Coliseum, Chicago, September 5-9.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1.

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Safety Congress, Chicago, October 18-20.

National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.

Pharmaceutical Council of Greater New York, drug show and exhibit, Statler hotel, New York, September 25-27.

Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20.

Society of Rheology, New Yorker hotel, New York, November 3-4.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 13; annual meeting, Commodore hotel, New York, December 13.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Gen'l Aniline Appointee

Dr. Joseph W. Lang, assistant plant manager of the Rensselaer, N. Y., dyestuff unit of General Aniline & Film Corporation, New York, has been named plant manager. He succeeds Dr. William L. Walsh, who recently was appointed assistant to the general manager of the entire dyestuff division of the company. Dr. Lang joined General Aniline at Rensselaer in 1943 as head of the chemical engineering group. He was made supervisor of production in early 1948, becoming production manager later that year and assistant plant manager in 1949.

Industrial Hygiene Report Covers Codes and Rules

A report summarizing legislative developments in workmen's compensation, state industrial hygiene codes, air-pollution regulations, and trends in health and sickness disability benefits, has been issued by the Industrial Hygiene Foundation.

The fifty-page bulletin contains material presented in connection with the foundation's 1949 annual meeting at Mellon Institute, Pittsburgh. It also includes a discussion of industrial noise effects and reduction by Dr. Leo. G. Doerfler, department of audiology, School of Medicine, University of Pittsburgh, and the following articles:—

"Legislative Developments in Workmen's Compensation During 1949," by Theodore C. Waters, Mullikin, Stockbridge & Waters, Baltimore; "Hygienic Standards for the Prevention and Control of Occupational Diseases," by J. J. Bloomfield, Division of Industrial Hygiene, United States Public Health Service, Washington; "Legislation Relating to the Control of Air Pollution," by R. F. Hansen, General Chemical Division, Allied Chemical & Dye Corporation, New York; and "Current Trends Relating to Health and Sickness Disability Benefits," by Dr. John J. Wittmer, Consolidated Edison Company of New York.

Copies of the report are available at 75 cents each to the general public and at 50 cents for members of the foundation. The headquarters of the foundation are at 4400 Eight avenue, Pittsburgh 13.

AEC Biology Advisory Group Gets New Members

Dr. Edward A. Doisy of the St. Louis University School of Medicine and Dr. Curt Stern of the University of California have been appointed to the Atomic Energy Commission's advisory committee for biology and medicine.

Dr. Doisy is a biochemist replacing Dr. A. Baird Hastings of Harvard University, and Dr. Stern is a zoologist replacing Dr. George Beadle of the California Institute of Technology

The advisory committee was set up by the AEC in September, 1947, to advise the commission on the medical and biological aspects of the atomic energy program. Within the past year membership on the committee has been put on a three-year rotating basis.

SAACI Golfs July 11

The Salesmen's Association of the American Chemical Industry will hold its second summer golf outing at the Bonnie Briar Country Club, Larchmont, N. Y., on Tuesday, July 11. Following the dinner, which will be served at 7:30 p.m., more than $300 in golf prizes will be distributed.

Hercules Makes Thouron Head of Synthetics Sales

Hercules Powder Company, Wilmington, Del., has appointed Henry Thouron director of sales of the concern's synthetics department. At the same time, B. H. Little was named district sales manager of the department's Boston, Mass., branch office and Howard C. Bates was assigned as special representative in the New England area.

Mr. Thouron joined Hercules in 1934 as a member of the naval stores department and later was technical representative for that department in New England. From 1940 to 1945 he served with the U. S.

Henry Thouron

Army, returning to the company following his discharge. He was named assistant director of sales for the synthetics department in 1946, and in 1949 was given a special assignment at The Hague, Holland.

Mr. Little came to the company in 1928 as a chemist. He has been with the synthetics department since 1939 where he has been engaged in sales development. Mr. Bates has represented the synthetics department in New England since joining the company in 1941.

HIF Study Groups Hold Meeting to Exchange Ideas

Representatives of three projected health research studies, now being planned by the University of Chicago, the University of Pennsylvania and the American Hospital Association, last week held a two-day discussion meeting under the auspices of the Health Information Foundation.

The meeting provided a "helpful" interchange of ideas, according to HIF president W. H. P. Blandy. Dr. Clyde W. Hart, director of the National Opinion Research Center, affiliated with the University of Chicago, outlined a proposed four-point study which would seek to discover on a national scale the facts about:—(1) The availability of health and medical care; (2) the costs of medical care; (3) the incidence of accidents and ill health, and (4) popular beliefs, attitudes and practices affecting medical care and health.

Dr. E. Douglass Burdick, director of the University of Pennsylvania's proposed study, stated that it would seek to find out the extent and effects of financially catastrophic illness upon American families. George Bugbee, executive director of the American Hospital Association, outlined his group's plans for a national study of the financing of hospital care.

Flax Development Group Assigns Brookins to Post

Dr. W. W. Brookins, closely associated with activities of the Flax Institute of the United States and the Flax Development Committee for many years, has joined the staff of the Flax Development Committee, effective July 1. Dr. Brookins served as professor of agronomy and botany in an agricultural college in Oklahoma for several years, then came to Minneapolis in 1933.

While employed by the University of Minnesota as an extension agronomist, Dr. Brookins completed a doctor's degree in 1940. In 1942 he opened a crop improvement office in Minneapolis for the Central Fibre Corp., and since has continued flax improvement work in cooperation with various similarly interested groups. Under his direction, information has developed which led to the August plowing and working campaign of the Flax Development Committee. These activities will be continued by Dr. Brookins under FDC.

ASTM Installs New Officers at Convention

L. J. Markwardt, assistant director of the United States Forest Products Laboratory, Madison, Wis., last week became president of the American Society for Testing Materials at its week-long, fifty-third annual meeting held in Atlantic City, N. J. He succeeded J. G. Morrow, metallurgical engineer with the Steel Company of Canada, Ltd., Hamilton, Ont.

The new vice-president is T. S. Fuller, engineer in charge of works laboratory for the General Electric Company, Schenectady, N. Y. New members of the board of directors are B. A. Anderton, Barrett Division of Allied Chemical & Dye Corporation; R. H. Brown, Parks-Cramer Company; D. K. Crampton, Chase Brass & Copper Company; H. G. Miller, St. Paul & Pacific Railroad Company, and J. R. Trimble, Tennessee Coal, Iron & Railroad Company.

At more than 450 committee meetings and twenty-three technical sessions there were papers and discussions and actions on standards, specifications and tests of far-reaching importance to industry and government.

An exhibit of testing apparatus and related equipment, which is important in the production of all kinds of materials,

L.J. Markwardt

and a photographic exhibit, which covers the use of the microscope and X-ray and radium in testing materials, was in progress throughout the week. About 150 technical papers were presented touching on such materials as steels and metal alloys for high-temperature service in gas turbines, power plants, etc.; concrete, cement, plastics, petroleum, and other diverse subjects.

The significance of spectroscopic examination of materials which permits determination of elements in a few seconds time compared with much longer periods by the older methods was covered in the Marburg Lecture on Chemical Spectroscopy, June 27, by Dr. Wallace R. Brode, associate director of the National Bureau of Standards.

The society elected the following honorary members:—

Phaon H. Bates, retired chief of the clay and silicate products division of the National Bureau of Standards; Wilson C. Hanna, chief chemist and chemical engineer for California Portland Cement Company; Dean Harvey, formerly electrical and materials engineer with Westinghouse Electric Corporation; Prevost Hubbard, retired chemical engineer for the Asphalt Institute; Robert Job, who retired in 1947 as vice-president of Milton Hersey Company, Ltd., and Henry S. Rawdon who, until his retirement, spent thirty-five years with the National Bureau of Standards, becoming chief of the division of metallurgy.

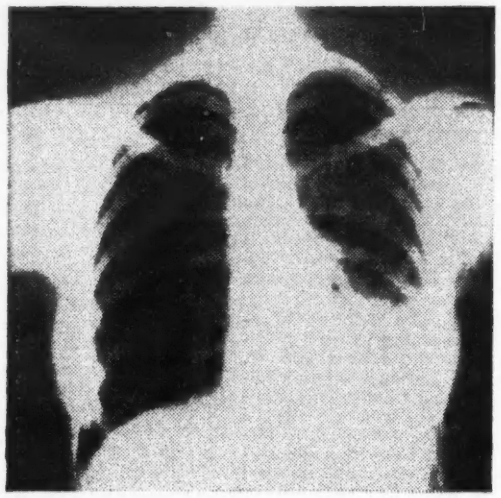
Armour Foundation Names Bond to Research Position

Dr. Rolston L. Bond, technical director of the butadiene division of Cities Service Refining Corporation, Lake Charles, La., has been named assistant chairman of the chemistry and chemical engineering department at Armour Research Foundation of Illinois Institute of Technology. Dr. Bond will be in charge of the foundation's biochemistry and organic chemistry research activities. Dr. Bond has been with Cities Service since 1943. He was a research chemist for the Tidewater Associated Oil Company and the National Oil Products Company from 1938 to 1943.

First Thought...

In Chemotherapy of Tuberculosis

If you are planning to market an effective antituberculosis preparation, "dependable source of supply" merits foremost consideration. It's only natural that you will think of *Merck first,* because when you specify Merck you obtain the benefits of an invaluable *additional* asset: Merck pioneering experience in developing and producing antituberculosis drugs. This group of Merck products includes some of the most important drugs known to therapy. Make their unexcelled purity a component part of your own product.



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Current Market Quotations

Chemicals and Related Materials

July 1, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).

Acenaphthene, below 92.5 C., m.p., dms., works lb. .40 - —
above 92.5 C. m.p. dms., works, lb. .50 - —

Acetaldehyde, 99%, dms., c.l., frt. equald lb. .11½- —
l.c.l., frt. equald lb. .12 - .12½
tanks, frt. equald lb. .09½- —

Acetaldol (see Aldol)

Acetamide, tech. fib., dms lb. .45 - —

Acetanilide, tech. bbls., c.l., dlvd or frt. equald lb. .22 - —
l.c.l., ton lots lb. .23 - —
smaller lots lb. .26 - —
USP, bbls., 2,000-lb. lots lb. .50 - —
smaller lots lb. .56 - —

Acetic anhydride, dms., c.l., frt. alld. E lb. .13 - —
l.c.l., frt alld E lb. .14½- —
tanks, frt. alld E lb. .11½- —

Acetoacetanilide, bbls., dlvd lb. .67½- —
fib. dms., c.l., dlvd lb. .66½- —
l.c.l., dlvd lb. .67½- —

Acetoacetorthoanisidide, fib. dms., works, 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb 1.75 - —

Acetoacetorthochloranilide, bbls., dlvd lb. 1.15 - —
fib. dms., c.l., dlvd lb. 1.14 - —
l.c.l., dlvd lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb. .72½- —
fib. dms., c.l., dlvd lb. 71 - —
l.c.l., dlvd lb. 72 - 73

Acetone, CP, dms., c.l., dlvd lb. .09¼- —
l.c.l., dlvd lb. .10¼- —
tanks, dlvd lb. .07½- —

Methyl (see M).

Acetonitrile, dms., c.l., works lb. .43 - —
l.c.l., works lb. .45 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.10 - 1.33

Acetophenone, cns., dms lb. 1.30 - 1.85
tech., l.c.l., dms., works lb. .75 - —

Acetoractoparaphenetidide, d m s., 500 lbs or more, works, lb. 1.65 - —
smaller lots same basis lb. 1.90 - —

Acetyltributyl citrate, dms. lb. .43 - .45
smaller pkgs. lb. .48 - .54

Acetyltriethyl citrate, dms. lb. .36 - .38
smaller pkgs. lb. .41 - .47

Acid, abietic com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .1145- —
cryst., dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - .06½

Acetic, com'l or redist., 28%, bbls 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.10 - —
70%, bbls 100 lbs. 8.10 - —
80%, bbls 100 lbs. 8.75 - —
glacial, synthetic, CP, dms., works 100 lbs. 15.00 - —
chys., works 100 lbs. 18.00 -22.00
USP, chys., works 100 lbs. 13.50 -17.50
tech., dms., c.l., works 100 lbs. 9.00 - 9.50
l.c.l., works 100 lbs. 9.50 -10.00
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic annydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers primary distrib., point of ship't, 100-lb. lots lb. .55 - —
standard, f.i.c. cryst., gran., (30-40 mesh) powd. (80 mesh), bbls, same basis, lb. .50 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt., dms., lb. .49 - —
smaller lots, dms lb. .49½- .54½

Adipic, fib. dms., works lb. .26½- —

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 1.75

Anthranilic resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.10 - —

Arsenous, tech. (see Arsenic, white).

USP (see Arsenic trioxide).

Ascorbic, USP, dms., 500-kilo lots, kilo. 24.50 - —
25-50 kilo lots kilo. 25.00 - —
10-kilo lots kilo. 25.35 - —
5-kilo lots kilo. 25.70 - —
bots., kilo lots kilo. 26.41 - —
500 grams kilo. 27.47 - —

Battery, chys. c.l., E. works 100 lbs. 2.00 - —
l.c.l., E., works 100 lbs. 2.30 - —

Benzoic, tech., bbls., dms., 100 lbs. or more lb. 43 - —
USP, bbls., dms., 100 lbs up lb. .54 - —

Betahydroxynaphthoic bbls., works lb. 1.25 - —

Boric, tech. 99½%, cryst., bgs., c.l., works ton. 115.25 - —
ton lots ex whse., N. Y. or Chi. ton. 160.00 - —
less ton lots, same basis, ton. 165.00 - —
bbls., c.l., works ton. 135.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 180.00 - —
less ton lots, same basis, ton. 183.00 - —
bulk, c.l., works ton. 111.75 - —
gran., bgs., c.l., works ton. 90.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 133.00 - —
less ton lots, same basis, ton. 140.00 - —
bbls. c.l., works ton. 110.25 - —
ton lots, ex whse., N. Y. or Chi. ton. 135.00 - —
less ton lots, same basis, ton. 160.00 - —

Acid, boric, tech., 99½%, gran., bulk, c.l., works ton. 86.75 - —
powd., bgs., c.l. works ton. 95.25 - —
ton lots, ex whse., N. Y. or Chi ton. 140.00 - —
less ton lots, same basis ton. 145.00 - —
bbls., c.l. works ton. 115.25 - —
ton lots, ex whse., N. Y. or Chi ton. 160.00 - —
less ton lots, same basis, ton. 165.00 - —
bulk, c.l., works ton. 91.75 - —
USP $25 per ton higher.

Broener's, bbls lb. 1.34 - —

Butyric, 99%, dms., c.l., works. lb. .34½- —
l.c.l., works lb. .35 - —
tankcars works lb. .33 - —

Cacodylic, bots. lb. 10.00 -11.00

Camphoric, natural, dms. lb. 5.00 - 5.65
synth., dms lb. 4.00 - 4.75

Capric, tech., dms lb. .40½- —

Caprylic, dms lb. .40½- —

Castor oil, split, dms lb. .27 - .27½

Chlorosulphonic, dms., c.l., works, lb. .03¼- —
l.c.l., works lb. 03¾- —
tanks, works lb. .02¾- —

Chromic, 99½-99¾%, dms., c.l. works lb. .25½- —
l.c.l., works lb. .26 .27

USP (see Chromium trioxide).

Cinnamic, reid, bots lb. 2.50 - 4.00

Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs. 1 ship't lb. .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —

Anhydrous citric acid powder, ½c. per lb. higher

USP, cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb .28½- —
kgs. lb. .29½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —

USP citric acid powder ½c. per lb higher.

Cleve's, mixed, bls lb. .72 - —

Coconut oil, dist., dms lb. .24 - .25¼

double dist., dms lb. .26 - .27¼

Corn oil, s.d., dms lb. .10¾- .11¾

Cottonseed oil, dist., dms lb. .11¼- .12¼

Cresylic, dom., coaltar, 50% above 207°C, non-ret. dms., c.l., frt. equald gal. .81 - 96
l.c.l., non ret. dms., same basis gal. .84 - .99
ret. dms., c.l., same basis gal. .78 - —
l.c.l. same basis gal. .81 - —

Acid, cresylic, dom., coaltar, 50% above 207°C, tanks, same basis gal. .70 - .85
204° to 207° C, non-ret. dms., c.l., same basis gal. .91 - .96
l.c.l., same basis gal. .94 - .99
ret. dms. c.l. same basis, gal. .88 - —
l.c.l., same basis gal. .91 - —
tanks, same basis gal. .80 - .85

petroleum, 179°C to 190°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .67½- —
l.c.l., same basis gal. .69½- .71½
tanks, same basis gal. .57 - —

193° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .65½- —
l.c.l., same basis gal. .67½- .69½
tanks, same basis gal. .45 - —

200°C to 222°C, tanks, Wilmington, Cal gal. .40½- —

211°C to 236°C. non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½- —
l.c.l., same basis gal. .55½- .57½
tanks, same basis gal. .43 - —

220°C to 242°C, tanks, Wilmington, Cal gal. .38½- .41½

237°C to 265°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .51½- —
l.c.l., same basis gal. .53½- .55½
tanks, same basis gal. .41 - —

245°C to 298°C, tanks, Wilmington, Cal gal. .36½- —

295°C to 325°C, tanks, Wilmington, Cal gal. .26½- —

imported, coaltar, 75% at 215°C or over, dms., c.i.f. gal. .52½- .57½

Crotonic, fib dms, works lb. .29 - —

Cyanoacetic, tech, bbls lb. .90 1.25

Desoxycholic lb. 17.00 -22.00

Dichlorophenoxyacetic, (see "D" 2, 4-D)

Diethylbarbituric (see Barbital)

Diglycolic, bgs., works lb. .14 - —

Ethylhexoic, dms, c.l., works lb. .31 - —
l.c.l. works lb. .31½- —
tanks works lb. .29½- —

F, bbls., works lb. 1.87 1.93

Folic, bots, 6b ctns, kilo or more gram. 2.00 —

Formic, 85% chys., c.l. works lb. .13 - .13½
l.c.l., works lb. .13½- .14
90%, chys., c.l. works lb. .13½- .14
l.c.l., works lb. .14 .14½

Fumaric, tech, bbls., dms lb. .30 .31

Gallic, NF VII, bbls., 1,000-lb. lots lb. 1.60 —
smaller lots lb. 1.63 1.65
technical, bbls., 1,000-lb. lots lb. 1.43 —
smaller lots lb 1.46 1.48

Gamma, bbls lb 1.20 —

Acid, gluconic, tech., 50%, bots lb. .23 - .31
dms lb. .14 - —
kgs. lb. .16 - —

Glutamic, tacro, 99%, fiber dms., 100 lb lots, works lb. 2.30 2.40
25 lb lots lb. 2.45 —

Glycerophosphoric, 35%, dms., works lb. 2.13 2.23

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .73½- —

Hydriodic, 45-47%, chys lb 2.57 2.59
57%, chys lb. 2.86 - —

Hydrobromic, medicinal, 48%, chys., dlvd. E lb. .38 —
tech., 48%, chys., dlvd E lb. .34 .36
34% chys., dlvd E lb. .35 .37

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb bots lb. .37 - —

Hydrofluoric, anhyd., cyls., works, lb. .19 - .19½
tanks, works lb. .16½- —

30%, wood or rubber, dms., works lb. .08½- .09
70%, steel dms., works lb. .143 - .148

Hydrofluosilicic, 30-35%, bbls lb. .08 .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks, Belle W Va., 100% basis lb. .085 - —

Hypophosphorus, purit., 50%, chys. lb 1.30 - 1.32

USP, chys lb. .78 - —

J, bbls., works, 100% basis lb. 2.50 2.85

L, bbls., works lb. .95 —

Lactic, edible, 50%, bbls., 20 or more lb. .18½- —
smaller lots lb. .19 - —
80%, bbls. 20 bbls or more, lb. .285 .332
plastic grade, 50% bbls., 20 or more lb. .19¾- —
10 or less lb. .20¾- —
80%, bbls., 5 or less lb. .3495- .3545
tech., 22%, bbls., c.l., works 100 lbs. 5.80 - —
t.c.l., works 100 lbs. 6.20 - —
chys., works 100 lbs. 6.70 - —
44½%, bbls., c.l., works 100 lbs. 10.95 - —
t.c.l., bbls., works 100 lbs. 11.35 - —
chys., works 100 lbs. 11.85 - —

NF, 85%, chys lb. .69 - 72

Laurent's, bbls lb. .60 - .87

Lauric, dist., 85-90%, dms lb. .23 .23½
60%, dms lb. .25 - .25½

Linseed oil, raw, dist., dms lb. .2150 - .2210
water-white, dms lb. .2450- .2510

Maleic, powd., dms lb. .30 .31
Anhydride (see M).

Malic, dms lb. .43 - —

Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 —
smaller lots lb. 1.90 - 2.10

Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½- .80

Mixed, tanks, nitric unit lb. .05 .06

sulphuric unit lb. .0085 .009

Molybdic, dms., 85%-92%, works lb. .83 - —

Monochloroacetic, purified, flake, 99%, dms lb. .22½ .23½
tech., flake, 96-97%, bbls lb. .18 - .19

Muriatic, 18°, chys., c.l., works, 100 lbs. 1.90 - 2.15
l.c.l., works 100 lbs. 2.20 - 2.25
tanks, works ton. 20.00 - —
20°, chys., c.l., works 100 lbs. 2.15 - 2.65
l.c.l., works 100 lbs. 2.45 - 3.75
tanks, works ton. 22.00 - —
22°, chys., c.l., works 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.05 - 3.75
tanks, works ton. 27.00 - —

CP, USP, consumers, chys., extra c.l., frt equald lb. .07¾ —
l.c.l., same basis lb. 09¼ .09¾
5 pint bottles extra, cs., c.l., frt. equald lb. .12¾ —
t.c.l., same basis lb. .14¼- .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.

Myristic, dist., dms lb. .30½- —

Naphthenic, 220-230 acidity, dms., works lb. .13 - —
tanks, works lb. .11 - —
230-240 acidity, dms., works lb. .21 - —
tanks, works lb. .19 - —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol (1)-5-sulphonic see Acid, L).

Naphthol(1)-5-sulphonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H)

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)

(2)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)
(2)-6-sulphonic (see Acid, Broener's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's, dms lb. .88 - —

Nicotinic, USP, dms., frt adjusted kilo. 8.00 - 8.30

Nicotinic amide (see Nicotinamide)

Nitric, 36° chys., c.l., E. works, 100 lbs. 5.00 - —
t.c.l., E. works 100 lbs. 5.40 - 6.10
38° chys, c.l., E works 100 lbs. 5.50 - —
t.c.l., E. works 100 lbs. 5.90 - 6.60
40° chys, c.l., E. works 100 lbs. 6.00 - 6.50
t.c.l., E works 100 lbs. 6.40 - 7.10
42° chys., c.l., E. works 100 lbs. 6.50 - 7.00
t.c.l., E works 100 lbs. 6.90 - 7.60

CP, NF, consumers, chys., extra, c.l., frt. equald lb. .11½- —
t.c.l., same basis lb. .13 .13½
5 pint bottles extra, cs., c.l., frt equald lb. .15½- —
t.c.l. same basis lb. .17 .19

Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral
		dextro.	dextrorotatory	NF	National Formulary
		distr.	distributor		
alld.	allowed	djns.	demijohns	nom.	nominal
ammo.	ammonia	dlvd.	delivered	No.	number
amorph.	amorphous	dms.	drums	ord.	ordinary
anhyd.	anhydrous	dom.	domestic	oz.	ounce
a.p.a.	available phosphoric acid	E.	east	Pac.	Pacific
		e.p.	end point	pf.	proof
artif.	artificial	equald.	equalized	phos.	phosphate
ASTM.	American Society for Testing Materials	F.	fahrenheit	photo.	photographic
		ferment.	fermentation	pkgs.	packages
Be.	Baume	ffa.	free fatty acid	powd.	powdered
bgs.	bags	ffc.	free from chlorine	precip.	precipitated
bbls.	barrels			prod.	producer
bls.	bales	fib.	fiber	pt.	point
bots.	bottles	f.o.b.	free on board	pulv.	pulverized
b.p.	boiling point	F.P.A.	free of prussic acid	purif.	purified
b.p.l.	bone phosphate of lime			redist.	redistilled
		frt.	freight	refd.	refined
b.r.	boiling range	fus.	fused	refy.	refinery
bxs.	boxes			reg	regular
C	centigrade	gal.	gallon	resub.	resublimed
cbys.	carboys	gran.	granular	ret.	returnable
CD	completely denatured	grd.	ground	SD	specially denatured
c.i.f.	cost, insurance, freight	i.&a.	iron and aluminum	s.d	single distilled
		i.b.p.	initial boiling point	S. E.	southeast
cks.	casks			secs.	seconds
c.l.	car lots	imp.	imported	s.g	specific gravity
cns.	cans	incl.	included	ship't	shipment
col	color	indust.	industrial	solut.	solution
com'l	commercial	kgs.	kegs	s.u	standard unit
conc.	concentrated	lacq.	lacquer	synth.	synthetic
CP	chemically pure	lb.	pound	tech.	technical
cps.	centipoises	l.c.l.	less than car lots	USP	U. S. Pharmacopoeia
cryst.	crystal	liq.	liquid		
cs	cases	m.a.p.	mixed aniline point	vis.	viscosity
ctns.	cartons			VM&P	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W	west
denat.	denatured	N.	nitrogen	w.w.	water white
dest.-dist.	destructive-distilled	nat.	natural	whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms., ton lots, works lb. .62 • —
smaller lots, works lb. .64 • —
Oxalic, bbls., c.l., works lb. .14¼- —
10,000 lbs., works lb. .14½- —
smaller lots, works lb. .15¼- .15¾
Palm oil, white, dist., dms lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb. 3.75 • —
smaller lots, works lb. 3.85 • 4.00
technical, dms lb. 1.84 • —
Para-aminosalicylic, dms., 1,000-lb. lots or more lb. 5.50 • —
smaller lots lb. 5.55 • 6.50
Paramethylphenylcinchonic (see Neocinchophen).
Paranitrobenzoic, dms lb. .87 • —
Paratoluidinmetasulphonic, bbls., works lb. .92 • —
Peanut oil, s.d., dms lb. .12¾- .13¾
Perchloric, 60%, cbys., works lb. .58 .62
70-72%, cbys., works lb. 61 .66
Phenylacetic, bots lb. 1.45 • 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid mandelic).
Phosphoric, food grade, 75%, cbys., c.l., works, frt. equald 100 lbs. 6.50 • —
l.c.l., works, frt. alld. 100 lbs. 7.50 • —
tanks, works, frt. equald 100 lbs. 4.50 • —
NF, 85%, cbys., c.l lb. 10½- —
For shipments in cbys., add handling charges.
Picramic, ngs lb. 65 70
Picric, NF, 300 lb. bbls lb. .50 • —
smaller lots, dms lb. .81 • .87
tech., bbls. lb. .32 • .33

Acid, propionic, natural, dms., works lb. .18 • —
tanks, works lb. .17 • —
synth., pure, dms., works lb. .21 • —
tanks, works lb. .19 • —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 • 3.18
resub., dms lb. 3.30 • 3.45
Pyroligneous, dms. incl., l.c.l., ex whse gal. .43 • —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 • 3.00
Salicylic, crude, bbls lb. .28 • —
sublimed, tech., bbls., c.l lb. .31 • —
l.c.l. bl. .38 • —
dyestuffs grade, bbls lb. .32 • —
USP, cryst., bbls lb. .40 • —
powder, bbls. lb. .45 • —
Sebacic, purified, dms., c.l., works, lb. .47 • —
l.c.l. works lb. .49 • .53
Soybean oil, single dist., dms lb. .13¾- .14¾
double dist., dms lb. .14¾- .15¾
Stearic, double pressed, bgs lb. .13 • .14
single-pressed, bgs lb. .12 • .13
triple-pressed, bgs lb. .15¼- .16¼
Succinic, purified, cryst., bbls., works lb. .75 • —
tech., bbls., works lb. .65 • .75
Sulphanilic, tech., dms., c.s., works lb. .15 • —
l.c.l., works lb. .17 • —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.65 • —
l.c.l., works 100 lbs. 1.95 • 2.50
tanks, works ton. 14.40 -14.50
66° Be, cbys., c.l., works 100 lbs. 1.90 • —
l.c.l., works 100 lbs. 2.30 • 2.75
tanks, works ton. 17.75 -18.00
98%, tanks, works ton. 18.80 -19.00

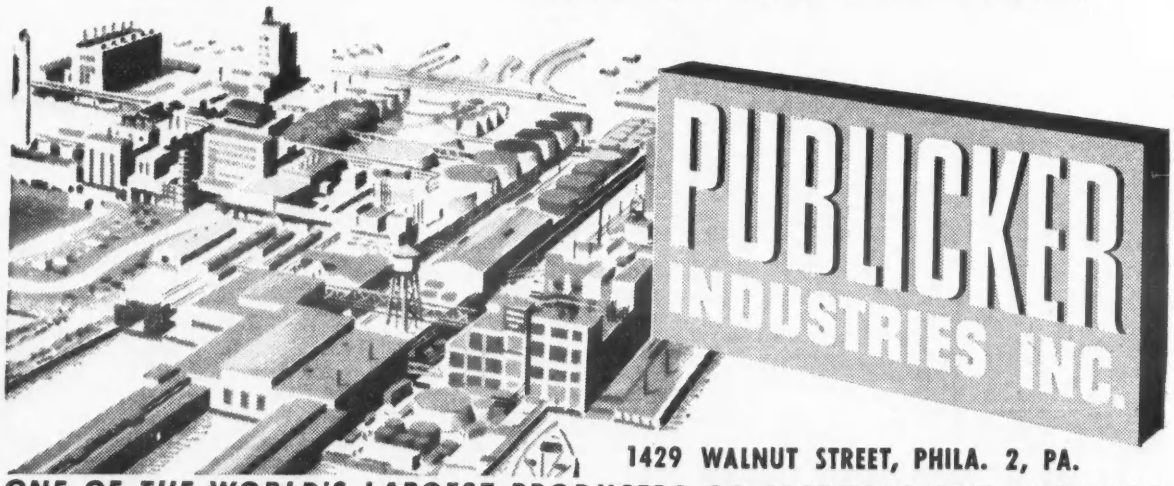
Acid, sulphuric, CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾- —
l.c.l., same basis lb. .09¼- .09¾
8 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼- —
l.c.l., same basis lb. .12¾- .13¾
fuming, 20%, tanks, works ton. 19.85 -20.00
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.

Tallow, dist., dms lb. .10 • .11
Tannic, tech., 60-62%, dms lb. .68 • .69
70-72%, dms. lb. .80 • .85
75-76%, dms. lb. .86 • .90
fluffy, bbls., 1,000-lb. lots lb. 1.45 • —
smaller lots lb. 1.46 • 1.55
powder, bbls., 1,000-lb. lots lb. 1.35 • —
smaller lots lb. 1.36 • 1.50
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't. lb. .29½- —
smaller lots lb. .30 • —
100-lb. dms lb. .31 • —
small dms lb. .33 • .35
imported, kgs lb. .27 • .29
Thioglycolic, refined, bbls., cbys., basis 100% lb 1.60 • 1.80
tech., bbls., cbys., basis 100% lb 1.40 • —
Tobias, bbls. lb. .65 • —
Trichloroacetic, bots. lb. 2.00 • 2.50
Toluenesulphonic, dms., c.l., works lb. .18½- —
l.c.l., works lb. .20 • —
tanks, works lb. .17 • —
Tungstic, tech., kgs., works lb. 2.20 • 2.40
Undecylenic, dms lb. 1.00 • 1.25
Aconite leaves, bls lb. .55 • .60
Root, bls lb. .48 • .52
Aconitine, amorph., mild, bots oz. 27.50 -32.50
cryst., potent, bots oz. 78.00 -85.00
Acrolein, dms., works lb. .50 • —

Acrylonitrile, dms., c.l., works lb. .40½- —
l.c.l., works lb. .41 • .60
tanks, works lb. .39 • —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls lb. .30 • .40
Agar, USP, Kobe, No. 1 strip, bls lb. 1.28 • 1.30
powdered, 30 mesh, fib. dms lb. 1.65 • —
Agaric, white, bls lb. 1.60 • 1.75
Agrimony herb, bls lb. .30 • .35
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (egg), edible, flake, bbls. lb. 1.07 • 1.09
powd., bbls lb. 1.11 • 1.13
tech., cryst., bbls lb. .72 • .79
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l lb. .67½- .72½
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾- —
l.c.l., dlvd. lb. .32¾- —
tanks, dlvd. lb. .30 • —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .16 • —
l.c.l., frt. alld. E. of Miss lb. .17 • —
tanks, frt. alld. E. of Miss lb. .15 • —
(see also Fusel oil, ref.)
fermentation, refined, 126-132°C, dms., c.l., dlvd. lb. .33¾- —
l.c.l., dlvd lb. .34¾- —
tanks, dlvd lb. .32 • —
128-132°C, dms., l.c.l., dlvd. lb. .36 • —
ACS grade, dms., l.c.l., dlvd lb. .42 • —
Benzyl, NF, dms lb. .58½- .89
tech., dms., works, frt. equald. lb. .45 .50
Butyl, fermentation, normal dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld. lb. .14¾- —
tanks, frt. alld lb. .12 • —
synthetic, normal, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld lb. .14¾- —
tanks, frt. alld lb. .12 • —
secondary, dms., c.l., frt. alld. lb. .10¾- —
l.c.l., dlvd., frt. alld lb. .11½- .11¾
tanks, dlvd., frt. alld lb. .09 • —
tertiary, dms., c.l., frt. alld. lb. .13¾- —
l.c.l., frt. alld lb. .14¾- —
tanks, frt. alld .12 • —
Capryl, dms., c.l., works lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25 • —
Cetyl, dom., CP., fiber cns., 1,000 lbs. lb. 1.50 • —
smaller lots lb. 1.55 • —
Cinnamic, bots lb. 2.75 • 3.20
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .54½- —
l.c.l., dlvd. E. of Miss. R. gal. .58½- .63½
tanks, dlvd. E. of Miss. R. gal. .42½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Miss. R. gal. .54½- —
l.c.l., same basis gal. .58½- .63½
tanks, same basis gal. .42½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf, dms., c.l., dlvd. E. of Miss. R. gal. .53 • —
l.c.l., same basis gal. .57 • .62
tanks, same basis gal. .41 • —
SD2B, dms., c.l., E. of Miss. R. gal. .52 • —
l.c.l., same basis gal. .56 • .61
tanks, same basis gal. 40 • —
SD3A, dms., c.l., E. of Miss. R. gal. .51½- —
l.c.l., same basis gal. .55½- .60½
tanks, same basis gal. .39½- —
SD23A, dms., c.l., E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62½
tanks, same basis gal. .41½- —
SD23H, dms., c.l., E. of Miss. R. gal. .54 • —
l.c.l., same basis gal. .58 • .63
tanks, same basis gal. .42 • —
SD27A, dms., c.l., E. of Miss. R. gal. .84 • —
l.c.l., same basis gal. .88 • .93
tanks, same basis gal. .72 • —
SD30, dms, c.l., E. of Miss. R. gal. .51 • —
l.c.l., same basis gal. .55 • .60
tanks, same basis gal. .39 • —
SD35A, dms., c.l., E. of Miss. R. gal. .53½- —
l.c.l., same basis gal. .57½- .62½
tanks, same basis gal. .41½- —
SD40, dms., c.l., E. of Miss. R. gal. .52 • .53
l.c.l., same basis gal. .56 • .62
tanks, same basis gal. .40 • .41
Diacetone, acetone free, dms., c.l., dlvd. lb. .13¾- —
l.c.l., dlvd. lb. .14¾- —
tanks, dlvd lb. .12 • —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd lb. .14¼- —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R. gal. 17.61 • —
l.c.l., same basis gal. 17.65 -17.70
tanks, same basis gal. 17.49 • —
tax free, dms., c.l., dlvd. E. Miss. R. gal. .51 • —
l.c.l., same basis gal. .55 • .60
tanks, same basis gal. .39 • —
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.56 • —
l.c.l., same basis gal. 18.60 -18.65
tanks, same basis gal. 18.44 • —
Ethylhexyl, dms., c.l., dlvd lb. .29¼- —
l.c.l., dlvd lb. .30¼- —
tanks, dlvd lb. .27¾- —
Furfuryl, tech., cns., works lb. .30 • —
dms., c.l., works lb. .21½- —
l.c.l., works lb. .23 • —
tanks, works lb. .18 • —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .13¾- —
l.c.l., works lb. .14¾- —
tanks, dlvd lb. .12 • —
Iso-octyl, dms., c.l., works lb. .29¼- —
l.c.l., works lb. .29¾- —
tanks, works lb. .26¼- —
Isopropyl, refd., 91%, dms. incl., c.l., dlvd. gal. .44 • —
l.c.l., dlvd gal. .49 • .50½
tanks, dlvd gal. .32 • —
95%, dms. incl., c.l., dlvd. gal. .45½- —
l.c.l., dlvd gal. .50½- .52
tanks, dlvd gal. .33½- —
99%, dms., incl., c.l., dlvd. gal. .47 • —
l.c.l., dlvd gal. .52 • .53½
tanks, dlvd gal. .35 • —
Methyl (see Metnanol).
Methylamyl (see Carbinol, methylisobutyl).
Nonyl (see Trimethylhexonal).
Octyl, perfumer's grade, bots lb. 1.70 • 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns lb. 1.30 • 1.80

PUBLICKER PRODUCTS INCLUDE:
ETHYL ALCOHOL
• Pure (USP) • Denatured
• Proprietary Solvent • Anhydrous (200 proof)
ACETONE • BUTYL ALCOHOL
BUTYL ACETATE ETHYL ACETATE
ACETIC ACID • ACETALDEHYDE
AMYL ACETATE • PACO SOLVENT
THERMO ANTI-FREEZE

WHETHER you're filling a formula that calls for ethyl alcohol as "2 ccm sp. vini sicat ux" or using a tank car a day, Publicker can supply you with products of known purity and absolute uniformity—always. And, while our productive capacity is the world's largest, we consider Quality Control and Customer Service of greater importance in warranting your patronage. Get in touch with us today.



1429 WALNUT STREET, PHILA. 2, PA.
ONE OF THE WORLD'S LARGEST PRODUCERS OF ALCOHOLS AND SOLVENTS

Why this refrigerator will remain white

THOUGH color finds more use in today's home, white remains the housewife's first choice in the kitchen. She prefers her equipment to be white . . . and stay white. If her gleaming refrigerator yellows, she switches brand when buying her next one.

Equipment manufacturers, with an eye on sales, know the power of long-lasting white to keep the little woman a satisfied and steady customer. They want white paint that stays white . . . not for a year, but for the life of their equipment.

Paint manufacturers know the secret of lasting color is in the drying oil.

We knew this too, when we developed ISOLINE*. To provide a better drying oil than those found in nature, we dehydrated castor oil and gave the paint industry the drying oil they'd been seeking.

ISOLINE, used as a paint vehicle, guarantees absolute color retention. This high quality, light colored oil forms a hard and flexible film . . . there is no premature loss of adhesive power and elasticity, and little auto-oxidation. ISOLINE shows decreased polymerization activity and is distinguished by its low Acid Number and absence of color.

You gain by using ISOLINE. With it you produce finer paint—which means more business for you. The refrigerator pictured above will remain white if the paint on it contains ISOLINE. And if milady someday decides on pastel colored kitchens, ISOLINE keeps the color longer and better for that purpose, too.

ISOLINE SPECIFICATIONS

	ISOLINE G-H	ISOLINE Z-3
Acid No.	3.5—4.5	4—8
Iodine No.	140 min. 150 max.	118 min. 123 max.
Saponification No.	190	190
Color Gardner (1933)	3+—4+	3+—4+
Poises	1.5	45

If you manufacture or are interested in paints, varnishes, insulating material, printing inks or other products where absolute color retention is a sales feature, we'd be delighted to send you samples of ISOLINE, and tell you more about this fine drying oil.

*Reg. Dehydrated castor oil (ISOLINE) was pioneered in the U.S. by A. G. H. Reimold, President of Woburn Chemical Corp. (N. J.)

WOBURN dependable PRODUCTS

WOBURN CHEMICAL CORP. (N.J.)

FATTY ACIDS, SPLIT AND DISTILLED

CASTOR • CHINAWOOD • COCOANUT • CONJULIN • COTTONSEED • DISTOLINE
HELIOLINE • ISOLINE • LAURIC • LINSEED • MARINE • PALM • SOYA • TALLOW

SYNTHETIC DRYING OILS, ESTERS AND PLASTICIZERS • ESTER GUMS AND ROSINS • PIGMENTS AND COLORS

1200 HARRISON AVENUE, KEARNY, NEW JERSEY • KEARNY 2-3300

Alcohol, Polyvinyl—Ammonium Thiocyanate

Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 .68
Propyl, normal, dms., c.l., dlvd. lb. .09¾- —
works lb. .08¾- —
l.c.l., dlvd lb. .10¾- —
works lb. .09¼- —
tanks, dlvd lb. .08 - —
works lb. .06¼- —
Salicyl (see Saligenin).
Tetrahydrofurfuryl cns., Cedar Rapids, Ia lb. .47 - —
dms., c.l., Waverly N. Y. lb. .40 - —
l.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95% dms., works lb. .15 - .16
denaturing grade dms. gal. 1.33 - 1.48
Aldrin, 60% solut., dms., c.l., works, frt. alld lb. .97 - —
l.c.l., works, frt. alld lb. 1.05 - —
Aletris root bgs lb. 1.50 - 1.60
Algin, bbls., fib dms lb. .76 - 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs lb. .35 - .40
Allethrin, 100%, dms., 1 to 10 dm.-lots lb. 45.00 - —
smaller lots, works lb. 50.00 -55.00
solution, 20%, dms., 100 lb.-lots, works lb. 9.00 - —
10%, dms., works gal. 37.75 - —
2%, dms., works gal. 7.75 - —
Allspice, Jamaica (see Pimento)
Mexican, bgs lb. .19½- .19¾
Allyl bromide, cbys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½- —
l.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Starch, solid, dms., works lb. .58 - —
solution, 40%, dms., works lb. .279 - .297
50%, dms., works lb. .446 - —
Aloe, Cape, cs lb. .22 - .23
Curacao, bgs lb. .35 - .36
Socotrine, bgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.50 - —
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls lb. .34 - —
Alphapicoline, ret. dms., c.l., works, frt. equald lb. .29½- —
l.c.l., works, frt. equald lb. .30 - —
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .17 - —
Alphatocopherol, bots kilo. 350.00 - —
Acetate, bots kilo. 350.00 - —
Althea root, NF, peeled, bls lb. .30 - .40
Alum, ammonium, gran., bbls., works 100 lbs. 3.30 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls. lb. .20 - .21
hydrous, bbls. lb. .07¾- .08
Potassium, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, burnt, bbls lb. .20 - .21
hydrous, bbls lb. .07¾- .08
Potash-chrome, dms lb. .17 - —
Soda, bbls., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works lb. .03½- .05
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works lb. .11 - —
l.c.l., works lb. .11½- —
cryst., com'l, dms., c.l., works lb. .0650- —
l.c.l., works lb. .0690- —
NF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .03¼- —
l.c.l., works lb. .04 - —
Fluoride, tech., anhyd., bbls., c.l., works lb. .10 - —
l.c.l., works lb. .11 - .13
Formate, basic solution, cbys., c.l. lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton. 50.00 -54.00
l.c.l., works ton. 72.00 -86.00
light, bgs., dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼- —
contract, works lb. .20¼- —
9-9½% Al_2O_3, fib. dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib. dms., works, lb. .79½- —
contract, works lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .38½- —
Linoleate, solid, dms., frt. alld lb. .39½ —
Metal, 98-99%, ingots, 10,000 lbs. lb. .17½- —
pigs, 10,000 lbs. lb. .16½- —
Naphthenate, liquid, 1.7%, frt. alld lb. .24½- .25
Oleate, dms., precip lb. .35¼- —
Oxide, amorphous (see Alumina, calcined).
Aluminum oxide, crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt. alld lb. .12½- —
smaller lots, frt. alld, lb. .13 - .15
280-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
600 mesh, dms., frt. alld lb. .35 - .37
kgs., frt. alld lb. .34 - —
600 mesh, dms., frt. alld, lb. .51 - .53
kgs., frt. alld lb. .50 - —

Aluminum oxide flour prices W of Denver ¾c. per lb. higher.

optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld, lb. .16 - .17
kgs., frt. alld lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works lb. 13.50 —
lars, works lb. 15.00 -17.00
Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .39½- —
Powder, lining, extra fine, dms lb. .96 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .48½- —
unpolished, standard, dms lb. .44½- —
varnish standard, dms lb. .49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld, lb. .24 - —
Aluminum stearate, dibasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
monobasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
tribasic, ctns., c.l. lb. .30 - —
l.c.l. lb. .31 - —
Sulphate, com'l, bgs., c.l., works, equald 100 lbs. 1.50 - —
l.c.l., same basis 100 lbs. 1.90 - —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 2.75 - —
l.c.l., works 100 lbs. 3.15 - —
NF, gran., dms., works lb. .27 - .28
powd., dms., works lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots oz. 8.00 -10.00
Aminoazotoluene bbls lb. 1.03 - —
Aminomethylpropanol, cns., dms., works lb. .65 - .69
Aminoethylethanolamine, dms., c.l., works lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Aminophylline, USP, 100-lb. dms lb. 5.35 - —
Aminopyrine, USP bots., dms lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works ton. 74.00 -75.00
pure, cyls., extra, zone 1 lb. .17 - .17½
2 lb. .19 - .19½
3 lb. .21 - .21½
4 lb. .16 - .19½
refrigeration, tanks, works ton. 76.50 -77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
l.c.l., works 100 lbs. 3.50 - —
tanks, works, anhyd. basis ton. 80.00 -81.00
Ammoniac gum (see Gum ammoniac)
Sal, gray, bgs., c.l., works, frt. equald 100 lbs. 6.55 - —
l.c.l., same basis 100 lbs. 6.95 - —
white, gran., bgs., c.l., works 100 lbs. 4.60 - —
l.c.l., works 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works, anhyd. basis ton. 75.00 -80.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls., c.l., works ton. 302.00 - —
ton lots, works ton. 355.50 - —
less ton lots, works ton. 360.50 - —
Bicarbonate, dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Bichromate, bbls., works lb. .31 - .36
Bifluoride, dms., dlvd lb. .18 - .18½
Bromide, gran., NF, bbls., dms. lb. .36 - .37
lb. .37 - .40
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms lb. .20 - .21
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms lb. .18 - .19
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, jars lb. 3.81 - 3.91
Linoleate, precise, 80%, dms., works lb. .40½- —
kgs., works lb. .42½- —
25%, dms., frt. alld lb. .21½- —
tech., bbls., works lb. .37 - —
dms., works lb. .39 - —
Molybdate, chemical grade, bbls., kgs. lb. .85 - —
metal grade, kgs lb. .90 - —
tech. grade, bbls., kgs lb. .80 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton. 57.50 - —
dom., ogs., western works ton. 58.00 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va. ton. 46.00 - —
Oleate, dms., precip lb. .23¼- —
Oxalate, fine gran., dms lb. .25 - .31
Pentaborate, gran., bbls., c.l., works ton. 212.00 - —
ton lots, works ton. 265.50 - —
less ton lots, works ton. 279.50 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works lb. .50 - .75
Persulphate, kgs lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works, lb. .08 - —
l.c.l., works lb. .08½- —
dibasic, NF V, bbls., dms lb. .40 - —
tech., bgs., c.l., works lb. .08 - —
l.c.l., works lb. .08½- —
Salicylate, NF, dms., kgs lb. 1.25 - 1.28
Silicofluoride, dms., works lb. .12 - .13
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens ton. 32.00 -37.00
converters', bulk, works ton. 37.50 -38.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works, lb. .10½- —
l.c.l., works lb. .15½- —
tanks, dlvd or frt. alld lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., bbls., c.l., works lb. .13 - —
l.c.l., works lb. .16 - .19

For Sale or Lease a DISTILLERY
at Omaha, Nebraska

Suitable for Manufacturing and Warehousing on a Multiple Tenancy Basis. Has Possibilities for Commercial Development . . .

Subject to the restrictions of the National Security Clause which require purchaser or lessee to maintain the plants capacity to procure alcohol.

Property Description: Plant includes land, buildings, machinery and equipment to produce grain alcohol and recovery by-products. Approximate annual capacity 17,500,000 gallons of 190 proof Ethyl alcohol and corresponding amount of by-products. Property is located at Fourth and Jones street, Omaha, Nebraska.

Land: Includes a triangular tract of 6.28 acres for the plant site in Omaha. Water wells across the river on Iowa side occupy .22 acres. Both tracts are Government owned. 1.74 acres are leased for water lines. The plant site is bounded on the East and Northeast by the Chicago, Burlington & Quincy Railroad tracks, on the West and Northwest by the tracks of the Union Pacific Railroad, and on the South by Jones Street.

Buildings: On the 6.28 acres are five (5) principal buildings of steel frame and brick construction, total floor area 112,400 square feet. There are other miscellaneous structures such as grain elevators, storage tanks, gate-houses, etc.

Machinery and Equipment: The plant has all the necessary facilities (Except Seven Beer Coolers) to produce the products for which it was built including, but not limited to, grain handling, grain processing, stills, evaporators, etc., also laboratory and testing equipment, furniture and fixtures, machine tools and maintenance equipment.

Utilities: Water from own wells, also from local utility. Electric and gas from local utilities. Sewerage to City system. Steam for processing and heating from City power plant located adjacent to the plant. The plant is also equipped with standby steam equipment.

Transportation: Chicago, Burlington & Quincy R.R. and Union Pacific R.R. have sidings into plant site. Paved city streets adjoin plant site, these connect with arterial highways.

BASIS OF OFFERINGS

1. To purchase or to lease the entire property — land, buildings, machinery and equipment — for continued use in place.

Sealed Bids: Proposals will be received until 2:00 p.m., CST, July 18, 1950, at Liquidation Service, General Services Administration, Troost Avenue at Bannister Road (95th Street), P. O. Box 7113, Country Club Station, Kansas City, Missouri. All bids must be accompanied by Cashier Check or Certified Check in an amount equal to ten (10) percent of bid as a bid deposit.

Information and Instructions to Bidders: When requesting bid information and instructions, please refer to Plancor 1608 (A-Nebr-401). Inquiries should be directed to the Kansas City Regional Office listed below.

Inspection of Property: May be arranged directly with Kansas City Office.

Real Property Disposal Division, Liquidation Service

GENERAL SERVICES ADMINISTRATION

Troost Avenue at Bannister Road (95th Street) Kansas City, Mo.

P. O. Box 7113, Country Club Station — Telephone DELMAR 3500 **KC—473**

Ammonium thioglycollate, commercial, 100% basis, cbys..lb. 1.40 - 1.95
highly purified, same basis lb. 1.70 - 2.25
Thiosulphate, cryst., jars, works lb. .32 - —
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms ... lb 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots ..... lb.34.00 - —
dextro-laevo, dms ..... lb 6.50 - —
Phosphate, dextro, dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms...lb 6.50 - —
monobasic, dms .....lb 6.00 - —
Sulphate, dextro, dms.....lb.36.00 - —
dextro-laevo, dms ..... lb. 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .19¾- —
l.c.l., dlvd..... lb. .20¾- —
tanks, dlvd..... lb. .18 - —
ex pentane dms., c.l., frt. alld. E. of Miss. R lb. .16 - —
l.c.l., same basis ..... lb. .17 - —
tanks, same basis ....lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms .....lb. .90 - 1.00
Nitrite, USP, bots .....lb. 1.75 - 1.83
Salicylate, cns., dms.....lb. .76 - .81
Anethol, NF, cns., dms.....lb. .95 - 1.25
Angelica root, dom., bls.....lb. .65 - .70
imported, bls.....lb. .70 - .75
Angostura bark, bls .....lb. .44 - .49
Aniline oil, dms., c.l., works, frt. alld..lb. .17 - —
l.c.l., works, frt. alld.....lb. .16 - —
tanks, works, frt. alld.....lb. .15 - —
Salt, dms., works.....lb. .26 - —
Anise, Argentine, bgs.....lb. No stocks.
Chinese, star .....lb. .15½- .16½
Cyprus, ogs .....lb. .20 .20½
Czech, bgs. .....lb. .13½- .13¾
Mexican, bgs. .....lb. .15 - .15½
Syrian, bgs .....lb. .15 Nom.
Turkish, bgs.....lb. .13¾- .14
Anisic aldehyde, bots., dms .....lb. 2.00 - 2.45
Annatto powder, dms.....lb. .24 - .25
Seed, bgs.....lb. .16 - .19
Anthracene, 80-85%, bbls., works .lb. 1.10 - —
99%, bbls., works.....lb. 1.25 - —
Anthraquinone, 99.5%, bbls .lb .85 - —
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines .....lb. .24½- —
cases, c.l., mines.....lb. .25 - —
Oxide, bgs., c.l., frt. alld.....lb. .21¾- —
l.c.l., frt. alld.....lb. .22¾- —
Trichloride, pails, works.....lb. .29 - .31
solution, cbys. .....lb .29 .30
Salt, 65%, bgs., c.l., dlvd E. of Miss lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .20 - 23
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms.....lb. 2.35 - 2.45
Apomorphine, USP, bots. .....oz.23.20 -23.70
Archil extract, bbls .....lb. No stocks.
Areca nuts, powd., bbls.....lb .15 - .16
Arecoline hydrobromide, NF, bots. oz. 5.00 - 5.75
Arginine hydrochloride, laevo, kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls.....lb. .45 - .50
root, bls. .....lb. 1.45 —
Arrowroot, powd., bgs.....lb. .12 - .15
Arsenic, metal, lump, bbls., prompt shipt lb. .80 .90
Sulphide, yellow, bbls...lb. No stocks
Trioxide, USP, dms .....lb. .40 42
White, powd. bbls., c.l., dlvd lb. .05½- —
l.c.l., dlvd .....lb. .06¼- .06¾
Asafetida, cs. .....lb. .32 - .35
powd., bbls., dms .....lb. .50 .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l. (20 tons), mines ton.485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.00 - —
fiber, 3K, c.l. (20 tons), mines ton.313.00 - —
3R, c.l. (20 tons), mines..ton.267.00 - —
3T, c.l. (20 tons), mines..ton.249.50 - —
3Z, c.l. (20 tons), mines..ton.231.00 - —
4K, c.l. (20 tons), mines..ton.124.50 - —
4M, c.l. (20 tons), mines..ton.124.00 - —
4T, c.l. (20 tons), mines..ton.111.50 -141.00
4Z, c.l. (20 tons), mines...ton.111.50 - —
5D, c.l. (20 tons), mines...ton.88.00 - —
5K, c.l. (20 tons), mines...ton.86.00 - —
5M, c.l. (20 tons), mines...ton.84.00 - —
5R, c.l. (20 tons), mines...ton.78.50 -79.00
6D, c.l. (30 tons), mines...ton.58.00 -59.00
7D, c.l. 30 tons), mines..ton.52.00 -52.50
7F, c.l. (30 tons), mines..ton.49.00 -49.50
7H, c.l. (30 tons), mines...ton.41.50 -42.00
7K, c.l. (30 tons), mines...ton.35.00 -35.50
7M, c.l. (30 tons), mines...ton.30.50 -31.00
7R, c.l. (30 tons), mines...ton.29.50 -30.00
7T, c.l. (30 tons), mines...ton.23.00 -23.50
7RF, c.l. (30 tons), mines..ton.30.50 -31.00
7TF, c.l. (30 tons), mines...ton.30.50 -31.00
8S, c.l. (30 tons), mines...ton.19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphaltum, cut-back, tanks, tank wagon, refinery..... gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10
Gilsonite, brilliant black, selects, 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ton.34.00 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton.31.00 - —
fet, bgs., ton lots, gross weight, Colo. mines ton.36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. .05¾- .15
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton.22.00 - —
80-300 penetration, tanks, tankwagon, refinery .....ton.21.00 - —
Atropine, USP, bots.....oz.10.50 -11.50
Sulphate, USP, bots.....oz. 6.25 - 7.00

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units..vial. .42 - —
10,000 units.....vial. .80 - —
50,000 units.....vial. 2.88 - —
Balm of Gilead buds, dried, bgs..lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs.....lb. .45 - .50
tree bark, bgs.....lb. .40 - .45
Barbital, USP, dms. .....lb 4.50 - —
Sodium, USP, dms.....lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works..ton.80.00 - —
smaller lots, works.....ton.90.00 - —
Chlorate, kgs., works.....lb. .25½- .31
Chloride, NF, cryst., dms.....lb. .17 - .18
tech., crystals, bgs., c.l., works. ton.100.00 - —
l.c.l., works.....ton.110.00 - —
Chromate, bgs., frt. equald....lb. .31½- .38
Dioxide, dms., c.l., works.....lb. .12 - —
l.c.l., works .....lb. .12 - —
Hydrate, crystals, bgs. .....lb. .09 - .09½
Barium hydroxide, anhyd., bbls., works..lb. .19 - —
Iodide, bots. .....lb. 6.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works.....lb. .11½- —
l.c.l., works .....lb. .13 - —
Oxide, grd., dms., c.l., works..lb. .11 - —
t.c.l., works lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l .....lb. .24 - —
smaller lots .....lb .35 .38
Sulphate, tech. (see Barytes and Blanc fixe)
X-ray, bbls. .....lb. .13 - .13½
Sulphide, dms., c.l., works... ton.55.00 - —
l.c.l., works .....ton.70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
l.c.l. works .....lb .21 - —
tech., bgs. c.l., works, frt. equald. ton.90.00 - —
t.c.l., works. ton.100.00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton 9.40 -12.50
Barytes, water-grd. paper bgs., c.l. St. Louis ton.35.05 - —
t.c.l., same basis .....ton.36.83 - —
ex whse., N. Y. .....ton.49.65 - —
Southern off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines ton.20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls.....lb. .45 - .50
Root, bls .....lb. .50 - .52
Bauxite, bulk, mines .....ton 8.50 -10.00
Bentonite, 200 mesh, bgs., works.ton.12.00 - —
Benzaldehyde, NF, dms.....lb. .63 - —
tech., cbys., dms .....lb. .45 - —
Benzal chloride, cbys., works lb .19 .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
12% gamma, tech., bgs., dms., c.l., works..lb. .18 - .21
l.c.l., works.....lb. .20½- .23¼
Benzene hexachloride, 6% gamma, 50% dust, dry, distributors, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd .....lb. .13 - —
wet distributors, dms., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .16 - —
Benzidine base, bbls.....lb. 1.02 - —
Benzocaine, dms.....lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md..gal. .27 - —
Bethlehem, Pa .....gal. .26 - —
Birmingham, Ala.; Chicago Dist.; Cleveland Dist.; Lone Star, Tex.; Geneva, Utah; Johnstown, Pa.; Lorain, Ohio; Minequa, Colo.; Philadelphia, Pa.; Pittsburgh Dist.; St. Louis, Mo.; Syracuse, N. Y.; Terre Haute, Ind.; Woodward, Ala.; Wyandotte, Mich.; Youngstown, Ohio..gal. .25 - —
Benzophenone, dms .....lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
t.c.l., same basis .....lb. .21½- .22
Peroxide, pure, 50 ctns., works. lb. .90 - 1.05
Benzyl acetate, t.f.c., dms. .lb. .60 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19½
t.c.l., same basis .....lb. .20 - .20½
high grade 2c. higher.
Cinnamate, cns .....lb. 3.00 - 4.00
Benzyl formate, cns.....lb. 1.70 - 2.10
Propionate, bots.....lb. 1.35 - 1.65
Salicylate, bots. .....lb. 1.55 2.25
Benzylidinacetone, bots.....lb. 1.70 - 2.45
Benzylisoeugenol, bots.....lb. 8.90 - 9.50
Berberine, bisulphate, cns.....lb.35.00 -36.25
Hydrochloride, bots.....lb.35.00 -36.25
Sulphate, cns .....lb.35.00 -36.25
Berberis root, bls.....lb. .35 .40
Betagammapicoline, dms., c.l., works. lb. .21 .21½
t.c.l., works .....lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb .90 —
Betanaphthol, resublimed, dms., works. lb. .75 —
tech., bbls., c.l., works.....lb. .23½- —
t.c.l., works.....lb. .30½- —
Benzoate, fib. dms., works.....lb. 1.70 - —
Salicylate, dms. .....lb. 5.00 —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betapaenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots .....lb 1.60 - —
Betapicolin, 98%, dms., works...lb. .95 - —
Beth root, bls .....lb .45 .50
Biotin, cryst. .....gram.10.00 - —
Bismuth chloride, jars .....lb. 3.97 - —
Citrate, USP VIII, jars.....lb. 3.29 - —
Hydroxide, dms .....lb. 4.20 - —
Metal, bxs., ton lots.....lb. 2.00 - —
Nitrate, cryst., dms.....lb. 1.67 - —
Oxychloride, dms. .....lb. 3.97 - —
Oxide, anhydrous, dms.....lb. 4.02 - —
Phenolsulphonate, fib. dms.....lb. 4.70 - —
Subcarbonate, USP, dms.....lb. 2.30 - —
Subgallate, NF, fib. dms.....lb. 2.75 - —
Subiodide, fib. dms .....lb. 4.92 - —
Subnitrate, NF, dms .....lb. 2.50 - —
Subsalicylate, USP, dms.....lb. 3.20 - —

BOLL WEEVIL
COTTON LEAF WORM
APHIDS THRIPS
PLUM CURCULIO
MANGE (SARCOPTIC)
GRASSHOPPERS
LICE
CRICKETS
TICKS
FLEAHOPPERS
WIREWORMS

Stauffer CHEMICALS SINCE 1885

BHC
BENZENE HEXACHLORIDE

QUALITY YOU CAN COUNT ON . . .

Stauffer has long been known primarily as a heavy chemical manufacturer, but in addition to its high position in industrial chemicals, Stauffer makes a long list of Agricultural Chemicals, including Benzene Hexachloride.

You can be sure when you buy Stauffer BHC formulations. Certain that Stauffer BHC has passed rigid laboratory tests and extensive field trials at the Stauffer Agricultural Research Laboratory, Mountain View, California.

This laboratory does the initial screening on all new Stauffer insecticides, fungicides, herbicides and soil fumigants. Only those products showing exceptional promise in this preliminary screening are released to experiment stations for use in their pest control investigations.

Remember when you buy Stauffer BHC and other agricultural chemicals that they all have been "Tested and Proved" by Stauffer Research.

Other Stauffer Products

Borax
Boric Acid
Boron Trichloride
Carbon Bisulphide
Carbon Tetrachloride
Caustic Soda
Chlordane
Chlorine
Citric Acid
DDT (Dichloro Diphenyl Trichloroethane)
Ethylene Trithiocarbonate
Lindane
Silicon Tetrachloride
Sodium Hydrosulphide
Sulphur—Soluble (Specially processed for all industrial and agricultural uses)
Sulphur—Insoluble (for rubber compounding and other uses)
Sulphur Chloride
Sulphuric Acid
Tartaric Acid
Textile Stripper
Titanium Tetrachloride
Toxaphene (Chlorinated Camphene)
2,4-D (Acid, Isopropyl Ester, Amine Salts)

Stauffer CHEMICAL COMPANY

420 Lexington Avenue, New York 17, N.Y. • 221 North LaSalle Street, Chicago 1, Illinois
824 Wilshire Boulevard, Los Angeles 14, Cal. • 636 California Street, San Francisco 8, Cal.
424 Ohio Bldg., Akron 8, O. • Apopka, Fla. • N. Portland, Ore. • Houston 2, Tex. • Weslaco, Tex.

Bismuth-Ammonium Citrate—Butyric Ether

Bismuth-ammonium citrate, USP, powd., dms lb. 3.82 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd lb. .14¾- .22¾

Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.

Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb. .0690 —
l.c.l., dlvd. or whse lb. .117 .1175
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs., ctns., l.c.l. dlvd or whse lb. 13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l., whse lb. 09½- —
high modulus, bgs. c.l., works. lb. .05 - —
ctns., l.c.l., whse lb. 09 - —
semi-reinforcing bgs., c.l., works lb. .03½- —
ctns., l.c.l., whse lb. .07½- —
very fine, bgs. c.l., works lb. .0740- —
l.c.l., dlvd., or whse lb. .12 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .10¾- —
l.c.l., works lb. .11 —
Lamp, bgs., c.l., works lb. .07 - .30
Mineral, bgs., works lb. .0160- 0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls lb. .30 - .32
root, bls lb. .10 - .12
Black dyes (see Dyes).
Black haw, root bark, bls lb. .65 - .75
Tree bark, bls lb. .28 - .30
Black Indian hemp root, bls lb. .45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works ton.85.00 - —
l.c.l., works ton.95.00 - —
direct process, bgs., c.l., works ton.85.00 - —
t.c.l., works ton.90.00 - —
N. Y. whse ton.113.00 - —
bbls., c.l., works ton.90.00 - —
t.c.l., works ton.95.00 - —
N. Y. whse ton. 118.00 - —
pulp, 66⅔%, bbls., c.l., works. ton.69.00 - —
l.c.l., same basis ton.75.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 5.00 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 6.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 5.75 - —
soluble, bgs., cs lb. .16 - .17½
l.c.l. lb. .17½- .22
Bloodroot, bls lb. .40 - .45
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.05 - —
Celestial, bbls., same basis lb. .15 - .16
Chinese, bbls., same basis lb. .37 - .42
Blue, cobalt, genuine, bbls., same basis lb. 4.90 - —
lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 - 3.85
80%, bbls., same basis lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis lb. .37 - .42
Peacock, fugitive, 100% color strength, same basis lb. .60 - .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
tungstic lb. 4.00 - —
Potash, CP, bbls., same basis lb. .51 - —
Prussian, bbls., same basis lb. .37 - .42
soluble, bbls., same basis lb. .37 - .42
Soda, C.P., bronze, bbls., same basis lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls lb. 3.75 - —
Tungstic, bbls lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis lb 2.60 - 2.70

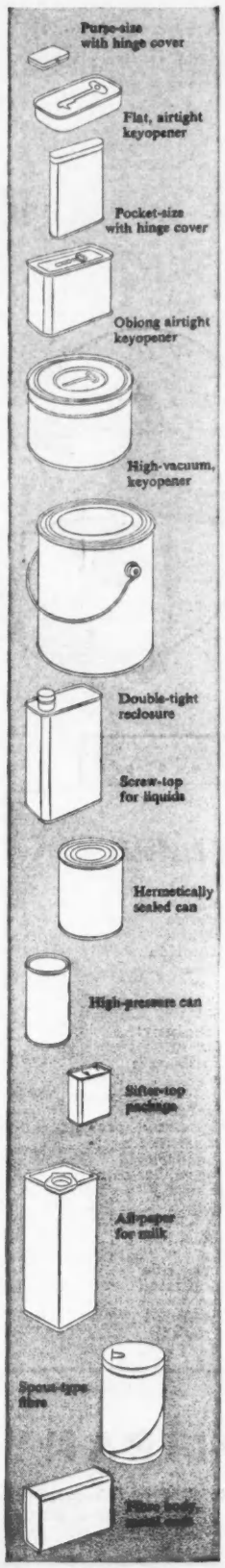
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C. & S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .06 - .12
Bone, raw, bulk, Chicago ton.75.00 - —
junk, bulk, same basis ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.62.50 - —
Chicago, works ton.62.50 - —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.58.00 - —
Chicago, works ton.58.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.62.50 - —
Chicago, works ton.62.50 - —
Phosphate, defluorinated (see D). precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls lb. .15 - .16
Borage flowers, bls lb. .40 - .45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 - —
ton lots, ex whse N. Y. or Chi ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works ton.90.50 - —
ton lots, ex whse, N. Y. or Chi ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works ton.64.00 - —
crystals, 99½%, bgs., c.l., works. ton.61.25 - —
ton lots, ex whse, N. Y. or Chi ton.106.00 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works ton.81.25 - —
ton lots, ex whse, N. Y. or Chi ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works ton.57.25 - —
granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse, N. Y. or Chi ton.80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ton.55.25 - —
ton lots, ex whse N. Y. or Chi ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk, c.l., works ton.31.25 - —
powder, bgs., c.l., works ton.40.25 - —
ton lots, ex whse N. Y or Chi ton.85.00 - —
less ton lots, same basis, ton.90.00 - —
bbls., c.l., works ton.60.25 - —
ton lots, ex whse N. Y. or Chi ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l., works ton.36.25 - —

Borax packed in kgs. is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 - .21
l.c.l., same basis lb. .16 - .23
Borneol, cns. lb. 2.25 - 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified cs. c.l., frt. alld. E. of Rockies lb. .21 - —
1,000 lbs. same basis lb. .23 - —
single pkgs. same basis lb. .28 - —
dms., lead-lined, dlvd lb. .21 - —
Bromoform, pharmaceutical grade, bots. lb. 1.52 - 2.50
chys. lb. 1 42 - —
Bromstyrol, bots lb. 5.35 - 5.75
Bronze powder aluminum (see A). Gold, litho., cns., dms., works. lb. .50 - .60
moulding, cns., dms., works. lb. .80 - 1.00
printing ink, cns., dms., works lb. .95 - 1.10
radiator, cans, dms., works lb. .60 - .65
Broomtop, bls. lb. .25 - .26
Brown, iron, synth., bgs., l.c.l., works lb. .12½- —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works lb. .12 - —
powdered lb. .13 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15½
raw, paper bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼- .06½
l.c.l., bgs., works lb. .05½- .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼- .08¼
l.c.l., works lb. .06½- .08½
raw, American, bgs., same basis. lb. .04¼- .06½
Turkey type, bgs., same basis. lb. .06½- .06¾
Vandyke, bbls., works lb. .11 - —
Brucine, cns., 100 ozs oz. .35 - —
Sulphate, NF, cns., 100 ozs oz. .30 - —
Bryonia root, bls lb. .29 - .35
Buchu leaves, bls lb. .50 - .55
Buckthorn bark, bls lb. .12 - .14
cut and sifted, bls lb. .18 - .20
Berries, bgs lb. .80 - .90
Burdock, root, bls lb. .20 - .26
Butadiene, cyls. refinery lb. .19 - —
tanks, same basis lb. .09½- —
Butane, indust., tanks, group 3 gal. .03 - —
Butternut bark, bls lb. .22 - .25
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .13¾- —
l.c.l., same basis lb. .14¾- —
tanks, same basis lb. .12 - —
synthetic, normal, dms., c.l., same basis lb. .13¾- —
l.c.l., same basis lb. .14¾- —
tanks, same basis lb. .12 - —
secondary, dms., c.l., same basis lb. .11¼- —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .09½- —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18 - —
tanks, works lb. .16 - —
Ether (see Ether, butyl).
Lactate, dms., c.l. frt. alld. E. of Rockies lb. .42½- —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .41 - —
Laurate, dms., works lb. .42 - —
Methacrylate, normal, dms., less than truckload, works lb. .60 - —
Oleate, refd., dms. l.c.l., works lb. .52 - —
Phenylacetate, dms lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Stearate, dms., c.l. frt. alld. E. of Rockies lb. .27 - —
l.c.l., same basis lb. .26½- —
Butylamine, dms., c.l., frt, alld lb. .49¾- —
l.c.l., same basis lb. .51½- —
tanks, same basis lb. .52½- —
Butyric ether (see Ethyl butyrate).

WHICH PACKAGE SUITS YOUR PRODUCT?



No fumbling, no fuss!
Canco's famous "magic corner" opening feature is available not only with this pocket-size tablet box, but in larger size packages—a convenience your customers will welcome!

LOOK . . . one hand!

You know it best as a pocket, purse or bed-table container for tablets—the tiny tin that flips open and snaps shut at the press of thumb and finger!

What you may not know is that this same "magic corner" closure, so popular with millions of Americans, is available in an exciting variety of larger size metal boxes, each offering your product a new consumer appeal!

The "flat-fifty" cigarette box, for instance. Consider it as a possibility for crayons; for tissues; water color paints; lolly-pops—even panatela cigars. Flat as your wallet, it fits snugly into purse, pocket, brief case or the glove compartment of your car.

Many sizes . . . a legion of uses

Other Canco metal boxes with the "magic corner" closure are deeper, wider, longer, smaller. In fact, almost any rectangular shape or size can be custom-made if we do not have the exact size you require.

Each box opens to display entire contents; closes tight to prevent spilling. Each can be lithographed for big display of your brand name and message. All can be filled automatically and fast.

Pioneer package problem-solver

In the creation of new and more effective packages, Canco has been out front since 1901. Better *Call Canco First!*

AMERICAN CAN CO.
CANCO
NEW YORK CHICAGO SAN FRANCISCO HAMILTON, CANADA

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.15 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb. 1.25 - —
Sulphide (see Yellow)
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 4.75 - —
anhydrous, dms., 100 lbs. or more lb 5.00 - —
Synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms. 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots. lb 6.70 Nom.
Calabar beans, bgs., futures lb. .65 - 66
Calamine, USP, dms. lb. .27 - .29
Calamus root, dom., bgs. lb. .27 - .30
imported, bleached, bls. lb. .70 Nom.
peeled, bls lb. .30 - .31
Calciferol, cryst., vials, 250 grams or more, works gram. 1.90 - —
25 to 249 grams, works gram. 2.10 - —
1 to 24 grams, works gram. 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 s.u. units, works unit. .05¼- —
less than 1,000 s.u. units, works unit. .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .11 - —
l.c.l., same basis lb. .12 - .13
Bromide, NF, jars lb. 75 - .85
Carbide, standard generator size, dms., c.l., dlvd ton 121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton 23.50 - —
l.c.l., same basis ton 52.00 -82.00
liquor, works, basis 40%, tankcars ton. 9.75 - —
pellets, bgs., c.l., works ton 29.00 - —
solid, 73-75%, dms., c.l., works, same basis ton 22.00 - —
l.c.l., works, same basis ton 32.00 -69.00
USP, gran., bbls lb. .30 - —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .50
Gluconate, AA, bbls., dms lb. .65 - .72
USP, bbls., dms lb. .58 - .65
Glycerophosphate, NF, fib., dms. lb. 1.80 - 1.95
Hydride, dms., works lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies dm. 24.00 -28.50
cns., cased (45 lbs.) same basis. cs. 19.75 -21.50
Hypophosphite, ton lots and less, dms lb. .80 - .83
Iodide, jars lb. 4.10 - 4.12
Lactate, USP, dms., 10,000 lbs. or more, works lb. .37 - —
smaller quantities, works lb. .38 - .44
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .23¾- —
Nitrate, tech., works lb. .07 - .09
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Phenolsulphonate, dms lb. .64 - .65
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
t.c.l 100 lbs. 7.10 - 7.45
feed grade, bgs., 15 tons, wks. ton. 105.00 - —
one ton or over, works ton. 115.00 - —
less than one ton, works ton. 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
t.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .28 - —
Resinate, precip., dms., frt. alld., works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
t.c.l., works lb. .06 - —
Stearate, precip., ctns., c.l., works. lb. .32 - —
t.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton. 45.00 - —
70%, bgs., c.l., works ton. 50.00 - —
luminous, tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls lb. .45 - .60
Calomel, USP, fine powd., dms. lb. 1.97 - 1.98
reg. powd., dms lb. 1.82 - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 2.75 - 2.85
natural, powd., 100-lb. lots lb. .45 - .55
tablets, 1-oz., ½-oz., cs lb. .85 - .93
synthetic, tech., bbls., 2,000 lbs. or more, whse lb. .38 - —
10 bbls. (1,500 lbs.) lb. .40 - —
smaller lots lb. .41 - .51
USP, gran., powd., bbls., 2,000-lb. lots lb. .45 - —
1,000-lb. lots lb. .46 - —
smaller lots lb. .47 - —
tablets, tins, 2,000-lb. lots. lb. .73 - —
1,000-lb. lots lb. .74 - —
smaller lots lb. .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .30
Cantharides, Chinese, cs lb. .75 - .85
powd., bxs. lb. .90 - 1.05
Russian, bgs. lb. 3.85 - 3.90
powd., bxs. lb. 4.00 - 4.10
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper lb. 4.00 - 6.00
from African pepper lb. 5.75 - 6.50
Caramel coloring, NF, bbls gal. 1.05 - 1.20
Caraway seed, Dutch, bgs lb. .13¾- .14
Carbazole, 97% steel dms., ton lots, works lb. 1.55 - —
bbls., same basis lb. 1.65 - 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E. lb. .13¼- —
l.c.l., same basis lb. .14¼- —
tanks, same basis lb. .11½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
t.c.l., same basis lb. .07¼- —
5-gal. dms., c.l., same basis lb. .09¼- —
l.c.l., same basis lb. .08¾- —
tankcars, same basis lb. .0440- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, c.p., dms., works. lb. .10¾- —
NF, cbys lb. .17 - .19
Carbon tetrachloride, tech., dms., c.l., E. of Rockies, frt. alld lb. .08 - —
W. of Rockies, f.o.b. stock points lb. .09 - —
l.c.l., E. of Rockies, frt. alld. lb. .091 - —
W. of Rockies, frt. alld. lb. .09¾- —
tanks, E. of Rockies, frt. alld. lb. .07¼- —
W. of Rockies, frt. alld lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, bold, cs. lb. 3.30 - 3.45
medium, cs lb. 2.95 - 3.40
decorticated, Alleppey, cs lb. 3.45 Nom.
Ceylon, cs lb. 3.40 Nom.
Guatemala, cs lb. 3.40 - 3.45
green, Alleppey, bgs., afloat lb. 2.12 - 2.15
Ceylon, bgs. lb. 2.12 - 2.15
seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF, ouik, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67¼- —
tins, works gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb. 25.24 - —
50,000 A units per gram lb. 7.86 - —
Carotene, tech., emulsion milk, 8,800 A units, per gram, tins, works milli. units. .18 - —
dms., works milli. units. .16 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .24 - —
Carvol, bots. lb. 8.75 - 9.00
Cascara sagrada bark, bulk lb. .30 - .32
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., standard, bgs., 10,000 lbs or more, ship't point lb. .22 - .23
premium, bgs., 10,000 lbs. or more, ship't point lb. .24 - .25½
imp., acid-precip., ground, 100 bgs. or more, ex dock lb. .24¼- .21½
rennet-precip., bgs., 10,000 lbs. or more, ex dock lb. .23 - .26
Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots, same basis lb. .22¼- —
dm lo's, same basis lb. .24¼- —
Cassia bark, Batavia, longstick, bls. lb. .23 - .25
broken, bls. lb. .14 - .15
short stick, bls lb. .15 - .16
China, Canton, Kwangsi, rolls, select, cs lb. .10½- .11
broken, bls. lb. .09 - .09½
Honan, rolls, scraped, bls lb. .13¼- .13½
broken, bls. lb. .13 - .13½
unscraped, bls. lb. .13 - .13½
broken, bls. lb. .12½- .13
Yunnan, rolls, scraped, bls lb. .13¼- .13¾
broken, bls. lb. .13 - .13½
unscraped, bls. lb. .13 - .13½
broken, bls. lb. .12½- .13

Cacao Butter—Cellulose Acetate

Cassia, Saigon, broken, bls lb. .24 - .25
medium, bls lb. .34 - .35
thin, bls lb. .39½- .40
Buds, China, bgs lb. .40 - .41
Cassia fistula, bskts lb. .30 - .35
Castor beans, bgs., Brazilian ports long ton. 115.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton. 30.50 - —
Castoreum, natural, cns lb. 7.00 -30.00
artificial, cns. lb. 9.00 - 9.25
Catechol, CP, cryst, fib, dms., works lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls. lb. .60 - .65
Celery seed, French, bgs. lb. .34 - .35
Indian, bgs. lb. .23½- .24
afloat, bgs. lb. .24 - .24½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .33 - .36
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld. lb. .40 - —
t.c.l., same basis lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
t.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 - .49

An example of Salmonella Typhosa Bacteria, magnified 30,000X by Electron Microscope.

Are Bacteria Biting Into Your Profits?

When bacteria and mold attack, during any stage of production, you are losing profits. Material wastes and production delays which result from attacks of these microorganisms bite deeply into your earnings.

Now you can control such losses with Dowicides, Dow's industrial germicides and fungicides. Dowicides are being successfully used to fight bacteria and mold in the paint, paper, textile, leather, and other industries. They are available in both oil and water-soluble types.

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DOW CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Cellulose, Acetate-Butyrate—Ditertiarybutylparacresol

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb .53 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .48 - —
less than 500 lbs., works. lb. .49 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .50 - .53
less than 500 lbs., works lb. .51 - .54
48% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works.lb. .54 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld, lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt alld, on 100 lbs. or more lb. .40 - —
Cerium oxalate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb 2.25 - —
kgs., 100-lb lots, works lb. 1.85 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb .02¾- .05½
l.c.l., ex whse lb .04 - —
paint, bgs., c.l., works ton.40.00 - —
papermakers, ngs., c.l., works ton.32.50 -40.00
rubber makers, bgs., c.l., works ton.30.00 - —
Chamomile flowers, Hungarian, cs lb. .45 - .55
Roman, bls lb. .85 - .90
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bgs., c.l., works ton.51.80 - —
bulk, c.l., works ton.49.80 - —
granular, bgs., incl., c.l., works ton 46.80 -59.00
lump, bgs., extra, returnable, c.l., works ton.41.80 -45.50
bulk, c.l., works ton.38.80 -43.50
Pinewood, gran. powd., ogs., c.l., works, South ton.30.00 -40.00
l.c.l., works ton.40.00 -50.00
lump bgs., c.l., works, South ton.40.00 - —
l.c.l., works, South ton.40.00 -50.00
bulk, c.l., works, South ton.30.00 - —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415- —
l.c.l., works lb. .0440- .0450
tanks, works lb. .0345- —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970- .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton.12.50 -13.00
l.c.l., works ton.13.50- 14.00
bulk, c.l., works ton 9.50 -10.00
200 mesh, bgs., c.l., works ton.10.00 -12.00
l.c.l. works ton.11.00 -16.00
wet grd., silk-bolt, 99½%, 325 mesh bulk, c.l., works ton.13.00 - —
paper bgs., c.l., works. ton.16.00 - —
imported, white lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.19.00 -40.00
powd., ogs., c.l., ex dock, net ton.35.00 -45.00
l.c.l., ex whse net ton.45.00 -60.00
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, jars lb. 1.05 - 1.10
Chloramine T, NF bbls., works lb. 75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms., works lb. .12¼- .13½
Rubber, standard, ctn., c.l., works lb. .42 - —
l.c.l. works lb .43 - —
Chlorine, liquid, cyls., c.l., NY. lb. .08¾- —
l.c.l., NY, stock points lb. .10¼- —
tanks, single units, works, frt. equald. 100 lbs. 2.55 - —
multiple units, 3 cars, works, frt. equald. 100 lbs. 3.05 - —
2 cars, same basis 100 lbs. 3.65 - —
1 car, same basis 100 lbs. 4.25 - —
Chloronitroben. tech., dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .16 - —
USP, dms lb. .30 - .33
Chloro(4)-2-Toluidine, bbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots. lb. 3.75 - 4.25
Chloropicrin, com'l, bots lb 1.40 - —
cans, 130-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb 8.50 - —
2 lb. pkg. lb 9.00 - —
1 lb. pkg. lb 9.50 - —
Choline bitartrate, fib. dms., frt. adjusted lb. 2.30 - 2.35
Chloride, fib. dms., same basis lb. 2.30 - 2.35
Dihydrogen citrate, fib. dms., same basis lb. 2.30 - 2.35
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7½%, bbls., works lb. .08 - —
cbys. lb. .09¾- —
8½%, bbls., works lb. .08½- —
cbys. lb. .10¼- —
Chromium fluoride, bbls., works lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide)
Oleate, solid, bbls lb. .40 - —
Trioxide, USP, bots lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots lb. 7.65 - 9.20
Cinchona bark, NF, red, quill, 20-inch, cs lb. 1.26 Nom.
broken, bgs lb. .40 - .45
yellow, broken, bgs lb. .32 - .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40½
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs oz. .30½- .42
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys., cns., dms. lb. .90 - 1.20
Cinnamon, Ceylon, No. 2, bls lb. .18 - .18½
Citral, bots., cns. lb. 5.45 - 5.75
Citronellal, bots., dms lb 2.50 - 2.75
Citronellol, bots., dms lb. 2.85 - 3.15
Civet, bots oz. 4.00 -13.00
artificial, bots lb.13.75 -15.00
Clove, Madagascar, bls lb. .23½- .24
futures, bls lb. No offers
Zanzibar, bls lb. .24 - .25
afloat lb. .23 - .23½
Clover tops, red, dom., bgs lb. .65 - .70
imported, bgs lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld. lb. .54 - —
smaller lots, same basis lb. .56 - .66
tech., low and medium vis., dms., c.l., works, frt. alld lb. .41 - —
l.c.l., works lb. .43 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .23½- —
l.c.l., ex-whse gal. .25 - —
tanks, ex-whse gal. .13½- —
refd., resale, bbls., c.l., ex-whse. gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse gal. .14½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, powd., bgs., works lb. 1.65 - —
feed grade, 49½% Co, kgs lb. 1.65 - —
Chloride, kgs., works lb. .91¼- —
feed grade, 24.5% Co, kgs lb. .91¼- —
Hydrate, bbls lb. 2.13 - —
feed grade, 62% Co, kgs lb. 2.13 - —
Linoleate, paste, 6% Co, dms, lb. .57 - —
solid, 8½%, Co, dms lb. .66½- —
8% Co, dms lb. .62½- —
Metal, 97-99%, kgs., ex-whse lb. 1.80 - —
under 100 lbs., ex-whse lb. 1.82 1.87
Naphthenate, liq., 6% Co, dms. lb. .37¼- —
Nitrate, feed grade, 20.4% Co, bbls. lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs. lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .22¾- —
Sulphate, bgs. lb. .68¼- —
feed grade, 21% Co, kgs lb. 1.05 - —
Cobalt-ammonium sulphate 14% Co, kgs lb. 75 - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride, cns., 100-oz. lots oz.11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs lb 16 - 17
Cocoa butter, bgs lb. .60 - .65
Codeine, NF, cns., 100 ozs oz.13.25 - —
Hydrochloride, cns., 100 ozs oz.11.85 - —
Phosphate, USP, cns., 100 ozs oz.10.25 - —
Sulphate, USP, cns., 100 ozs oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls lb. .20 - .25
Blue, root, bls lb. .15 - .17
Colchicine, USP, bots., cns oz.79.00 -85.00
Colchicum root, bls lb. 68 - 70
Seed, bgs lb. 1.30 - 1.40
Collodion, USP, dms lb. .71 - —
Flexible, USP, dms lb. .22½- —
Colocynth, pulp, bls lb. .25 - .27
Colombo root, bls lb. .13 - .15
Coltstoot leaves, bgs lb. .30 - .35
Condurango bark, bgs lb. .20 - .22
Copaiba balsam, cns., dms lb. .64 - .82
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bgs., works lb.19.20 -20.20
Chloride, anhyd., bbls., works lb. .30½- —
crystals, bbls., works lb. .20¼- —
Citrate, USP, 5-lb. bots lb. 2.40 - —
Cyanide, tech., bbls lb. .494 - .514
Gluconate, dms., cns lb. 3.00 3.24
Hydrate, dms., frt. alld, E. Mex. lb. .27½- .28
Metal, electrolytic, dlvd lb. .22½- —
Naphthenate, liquid, 8% Cu, dms, frt. alld. lb. .22¾- —
Nitrate, tech., cryst., bbls., works. lb. .25¼- —
Oleate, liquid, 8.5% Cu, bbls. lb. .27 - —
solid, 10% Cu, bbls lb. .29 - —
Oxide, black, bbls., works lb. .29 - .35
red, com'l, bbls., works lb. .30 - .35
Oxychloride-sulphate, bgs., frt. alld. lb. .24¼ Nom.
Quinolate, fib. dms lb. 3.50 - —
Resinate, precip., dms., frt. alld. lb. .24 - —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works. 100 lbs. 8.10 - —
l.c.l. 100 lbs. 8.35 - 9.10
CP, cryst., gran., dms., works. lb. .1385- —
monohydrated, 35%, dms., c.l., works. 100 lbs.13.30 - —
tribasic, dealers, bgs., c.l., works, frt. alld. lb. .226 - —
tech., works lb. .236 - —
USP, gran., cryst., dms lb. .1385- .26
Undecylenate, dms lb. 2.50 - 2.75
Copperas, cryst., gran., bgs., c.l., works ton.17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton.20.00 - —
bulk, c.l., works ton.14.00 - —
Copra, c.i.f., Atlantic, Gulf ports ton.180.00 - —
Pacific ports ton.175.00 - —
Coriander seed, Argentine, bgs lb. .07 - .07½
Italian, bgs lb. .07 Nom
Moroccan, bgs lb. .10¼- .10¾
Corn sugar, tanners, crimped, paper ngs., c.l., 60,000 lbs. min. 100 lbs. 5.99 - —
bbls., c.l., same basis 100 lbs. 6.05 - —
Syrup, 42°, bbls., c.l 100 lbs. 6.27 - —
l.c.l. 100 lbs. 6.42 - —
Cornsilk, bls lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, bulk, Memphis ton.63.50 -64.00
Coumarin, NF, cns., 25-lb. lots lb. 2.75 - —
smaller lots lb. 2.80 - 2.90
powd., cans lb. 3.00 - 3.05
Cramp bark, NF, bls lb. .80 Nom.
Cranesbill root, bls lb. .25 - .30
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .26¼- —
smaller lots, bbls., kgs. lb. .26¾- .27¾
imported, kgs lb. .21 - .23
Creosote, coaltar, crude, tanks, works, frt. equald. gal. .14 - 18
refined, dms., c.l., works gal. .36½- .49
l.c.l., same basis gal. .37½- .47
tanks, same basis gal. .23½- —
solution, 80%, tanks, works gal. .168 - —
NF, beechwood, bots., cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 - —
Pinewood, dms gal. .31 - .32
Carbonate, NF, bots., cbys lb. 2.35 - 2.40
Cresols, tech., dry, above 207°C, non-ret, dms., c.l. frt. equald. lb. .126 - —
l.c.l., same basis lb. .131 - —
ret. dms., c.l., same basis, lb. .125 - —
l.c.l., same basis lb. .128 - —
tanks, same basis lb. .115 - —
USP, non-ret., dms., c.l., same basis lb. .133 - —
l.c.l., same basis lb. .136 - —
ret. dms., c.l., same basis lb. .13 - —
l.c.l., same basis lb. .133 - —
tanks, same basis lb. .12 - —
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½- —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs.13.75 - —
bbls., l.c.l., works 100 lbs.14.00 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NF bgs lb. .35 - .45
powd., cs lb. .44 - .54
Culvers root, bbls lb. .50 - .60
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Iranian, bgs lb. .15¾- .16
Morocco, bgs lb. .16½- .17
Syrian, bgs lb. .15¾- .16
Cutch, extract, 55% tannin, bgs., ex dock lb. .06¾- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk ton.46.50 - —
pulv., 21% N., bgs., same basis unit-ton. 2.25 - —
Cyclohexane, tech., dms., c.l., works. lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09¼- —
Cyclohexanol, tech., dms., c.l., works. lb. .21½- .25
l.c.l., works lb. .22 - .26
tanks, works lb. .20 - .24
Cyclohexanone, tech., dms., c.l. lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .36½- —
l.c.l., works lb. .37½- —
tanks, works lb. .35½- —
Cyclopropane, USP, 2 lb. cyls, works, cyl. 40.00 - —
6 oz. cyls., works cyl.10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

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2, 4-D, bbls., c.l., works, frt. equald. lb. .43 - .48
l.c.l., same basis lb. .48 - .60
Isopropyl ester, dms., c.l., works lb. .54 - —
l.c.l., works lb. .59 - .66
Damiana leaves, bls lb. .40 - .45
Dandelion root, bls lb. .40 - .45
DDD, tech., fine grd., fib. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works, frt. equald. lb. .32 - .36
smaller lots, same basis lb. .33 - .37
Decanol, normal, tech., dms., c.l., dlvd lb. .34½- —
l.c.l., dlvd. lb. .36½- —
tanks, dlvd. lb. .32 - —
Deertongue leaves, bls lb. .30 - .35
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, 14½%P, paper bgs., works ton.45.00 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa, bbls lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone, powd lb. .42 - —
Desoxyephedrine hydrochloride, dextro, dms lb.30.00 - —
dextro-laevo, dms lb. 7.50 - —
Dextrin, corn, British gum, paper bgs., c.l. 100 lbs. 7.50 - —
Chicago 100 lbs. 6.85 - —
l.c.l. 100 lbs. 7.65 - —
Dextrin, corn, canary, paper bgs., c.l. 100 lbs. 7.24 - —
Chicago 100 lbs. 6.59 - —
l.c.l. 100 lbs. 7.39 - —
dark, paper bgs., c.l. 100 lbs. 7.34 - —
Chicago 100 lbs. 6.69 - —
l.c.l. 100 lbs. 7.49 - —
white, paper bgs., c.l. 100 lbs. 7.09 - —
Chicago 100 lbs. 6.44 - —
l.c.l. 100 lbs. 7.24 - —

Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.

Potato, bgs lb. .08½- .09
Tapioca, pure, envelope, bgs lb. .15 - .16
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 2.00 - 5.55
laboratory grade, bots. 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. .34 - .34¼
l.c.l., dlvd. E lb. .35 - .35¼
tanks, dlvd. E lb. .32½- —
Dianisidin, dms lb. 1.75 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 -52.00
California ton.38.00 -40.00
l.c.l., ex whse ton.80.00 - —
Purified, bgs., c.l., Atl. coast ton.62.00 - —
California ton.50.00 - —
l.c.l., ex whse ton.90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. lb. .66½- —
l.c.l., works lb. .67 - —
tanks, works lb. .65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .53½- —
l.c.l. works lb. .56 - —
tanks, works lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .29 - .29¼
l.c.l., dlvd lb. .30 - .30¼
tanks, dlvd. lb. .27½- —
Sebacate, dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½- —
tanks, works lb. .49½- —
Tartrate, dms., works, frt. alld lb. .62 - —
Dibutylamine, dms., c.l., frt. alld lb. .51½- —
l.c.l., frt. alld lb. .52½- —
tanks, frt. alld lb. .49¾- —
Dicapryl phthalate, dms., c.l., dlvd. lb. .36½- —
l.c.l., dlvd lb. .37½- —
tanks, dlvd. lb. .35 - —
Sebacate, dms., c.l., works lb. .54½- —
l.c.l., works lb. .55 - —
tanks, works lb. .53 - —
Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .047 - —
l.c.l., works lb. .055 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l., frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .40¼- —
l.c.l., works lb. .41 - —
tanks, works lb. .39 - —
Dicyclohexylphthalate, nu. dms., c.l., works. lb. .40½- —
l.c.l., same basis lb. .41½- —
Diethanolamine, dms., c.l., E lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .36¾- —
l.c.l., same basis lb. .37¾- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .45 - —
l.c.l., dlvd lb. .49 - .52½
tanks, dlvd lb. .43½- —
Oxalate, dms., c.l., frt. alld lb. .34¾- —
l.c.l., same basis lb. .35¾- —
tanks, same basis lb. .33 - —
Phthalate, dms., c.l., dlvd lb. .22¾- .23½
l.c.l., dlvd lb. .24½- .24¾
tanks, dlvd. lb. .22 - —
Sulphate, dms., c.l., works lb. .16 - —
l.c.l., works lb. .16½- —
tanks, works lb. .14½- —
Diethylamine, dms., c.l., frt. alld lb. .57 - —
l.c.l., works lb. .58 - —
tanks, works lb. .55¼- —
Diethylanilin, dms lb. .43 - —
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
Boriborate, dms., l.c.l lb. .26 - —
Diethylether, dms., l.c.l., works lb. .44 - —
Monobutylether, dms., c.l., works. lb. .24½- —
l.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Monobutylether acetate, dms., c.l., works. lb. .26 - —
l.c.l., works lb. .26½- —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether, acetate, dms., c.l., works. lb. .24 - —
l.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½- —
tanks, works lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .42 - —
l.c.l., works lb. .42½- —
tanks, works lb. .40 - —
Diethylethanolamine, dms., c.l., works lb. .61½- —
l.c.l., same basis lb. .62½- —
tanks, same basis lb. .59½- —
Diethylstilbestrol, USP, bots kilo.240.00 -320.00
Digitalin, cryst., bots gram.12.50 -18.00
powd., bots oz.25.00 -30.00
Digitalis leaves, dms lb. .85 - 1.25
Digitoxin, USP, bots gram. 8.00 - 8.75
Digiveol, laurate, dms lb. .30 - .32
Oleate, dms lb. .25 - .27
Stearate, dms lb. .25 - .26
Dihexyl sebacate, dms., c.l., works. lb. .42½- —
l.c.l., works lb. .43 - —
tanks, works lb. .41 - —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .60 - —
wholesalers, vials gram. .48 - —
Dihydroxydichlorodiphenylmethane, dms. lb. .95 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., dlvd. lb. .14¼- —
l.c.l., dlvd. lb. .15¼- —
tanks, dlvd. lb. .12½- —
Di-isobutylene, dms., c.l., works lb. .07¼- —
l.c.l., works lb. .08 - .08¼
tanks, works lb. .05½- .06½
Di-isooctyl phthalate, dms., c.l., dlvd. lb. .37½- —
l.c.l., same basis lb. .38½- —
tanks, same basis lb. .36 - —
Di-isopropylamine, dms., c.l., frt. alld. lb. .43½- —
l.c.l., same basis lb. .45¼- —
tanks, same basis lb. .46¼- —
Dillseed, natural, bgs lb. .10½- .11
dewhiskered, bgs lb. .12 - .12½
Dimethyl chloroacetal, dms., c.l., works. lb. .53 - —
l.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Phthalate, dms., c.l., dlvd lb. .23½- .23¾
l.c.l., dlvd lb. .24½- .24¾
tanks, dlvd. lb. .22 - —
Sebacate, dms., c.l., works lb. .69½- —
l.c.l., works lb. .70 - —
tanks, works lb. .68 - —
Sulphate, 55-gal. ret., dms., c.l., works. lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16¾- —
Dimethylamine, 25°C-40°C, dms., c.l., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .37½- .38½
tanks, works, basis 100% lb. .36 - —
Dimethylanilin, dms., c.l. lb. .23 - —
l.c.l. lb. .25 - —
tanks lb. .21 - —
Dimethylethanolamine, dms., c.l., dlvd. lb. 1.43 - —
l.c.l., dlvd. lb. 1.45 - —
tanks, dlvd. lb. 1.40 - —
Dinitroanilin, dms., frt. equald. lb. .52 - .55
Dinitrobenzene, crude, dms lb. .17 - —
purified, dms lb. .18½- —
Dinitrochlorobenzene, 48° C m.p., dms., c.l lb. .13½- .14¼
l.c.l. lb. .14 - .15
tanks lb. .13¼- .14¼
Dinitrophenol, bbls lb. .31 - —
Dinitrotoluene, oily, dms lb. .09½- —
refd., dms lb. .19 - —
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks works lb. .12 - —
Dioctyl adipate, dms., c.l., works, frt. alld lb. .435 - —
l.c.l., same basis lb. .445 - —
tanks, same basis lb. .53 - —
Phthalate, dms., c.l., frt. alld. lb. .37½- —
l.c.l., frt. alld. lb. .38½- —
tanks, frt. alld. lb. .36 - —
Diorthotolylguanidin, dms., ton lots, dlvd. lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb. .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y., whse gal. .46 - —
tanks, works, South gal. .20 - —
steam-dist., dms., c.l., works, South gal. .36 - —
l.c.l., works, South gal. .46 - —
dlvd. N. Y. gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .62
Diphenylamine, bbls lb. .27 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb. .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 3.25 - 3.50
Dipropyleneglycol, dms., c.l., frt. alld. lb. .14½- —
l.c.l., same basis lb. .15½- —
tanks, same basis lb. .13 - —
Dipropyleneglycol methylether, dms., c.l., frt. equald. lb. .12 - —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .10½- —
Ditertiarybutylmetacresol, dms., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —

Down go container costs...a *Up Go Sales!*

Seal-crimping is the ultra-modern, convenient form of product packaging —each unit individually packed in tailor-made air and dirt-free, moisture-proof compartments. And Strong Cobb seal-crimping is the smart way to whittle down container costs— and wrap up more sales!

Here's The Strong Cobb Seal Crimp Profit Picture

PRODUCTION SAVINGS

Throw out heavy protective containers—No bottles or jars to break— no tubes, corks or caps needed!

Bulk material transportation costs eliminated!

Spoilage in transportation reduced—yield increased!

Laboratory control from raw material to finished product!

ADVERTISING AND SALES-WISE

Seal-crimping in bright cellophane, silver or gold foil, plastic, etc., with your own stylized sales message printed directly on package builds a brisk, eye-catching product!

Individually-wrapped unit doses or required amounts are handier for consumer—create talk—boost sales!

SAMPLE OR MARKET SIZE

SEAL-CRIMP IT!

Strong Cobb service is A to Z efficiency. You name it—We'll research it, manufacture it, seal-crimp it, and make direct or drop shipment *—all under one roof!*

ORIGINATORS AND DEVELOPERS OF THE
AMPIN®
FOR AUTOMATIC, SUBCUTANEOUS AND INTRAMUSCULAR INJECTION.

STRONG-COBB

Strong Cobb & Co. Inc.

2654 LISBON ROAD CLEVELAND 4, OHIO

Divi Divi—Ethyl Acetate, Natural

Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton 68.00 - —
Divinylbenzene, 15%, dms., c.l., works lb. .23 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Dogrsass root, dom., cut, bls lb. .20 - .24
imp., NF, cut, bls lb. .25 - .30
Dogwood bark, Jamaica lb. .10 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. .90 - 1.00
reeds, cs lb. 1.75 2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Blue, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.17.00 -17.60
Green, FD&C, No. 1, cns. lb.17.00 -17.60
No. 2, cns. lb.22.20 -22.85
No. 3, cns. lb.35.25 -35.90
Orange, FD&C, No. 1, cns. lb 3.65 - 3.75
No. 2, cns. lb 4.55 - 4.75
Red, FD&C, No. 1, cns. lb 7.55 - 7.85
No. 2, cns. lb 4.00 - 4.10
No. 3, cns. lb.22.20 -22.85
No. 4, cns. lb 7.20 - 7.50
No. 32, cns. lb 5.30 - 5.40
Violet, FD&C, No. 1, cns lb.16.10 - —
Yellow, FD&C, No. 1, cns. lb.10.50 -11.05
No. 3, cns. lb 3.30 - 3.40
No. 4, cns. lb 3.30 - 3.40
No. 5, cns. lb 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Black, D&C, No. 1, cns. lb.10.95 - —
Blue, D&C, No. 4, cns. lb.13.55 - —
Brown, D&C, No. 1, cns. lb.16.10 - —
Green, D&C, No. 5, cns. lb.16.10 - —
No. 6, cns. lb.16.10 - —
No. 7, cns. lb.14.60 - —
Orange, D&C, No. 3, cns. lb.10.95 - —
No. 4, cns. lb.20.05 - —
No. 5, cns. lb. 5.70 - —
No. 10, cns. lb.20.70 - —
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb 3.75 - —
No. 10, cns. lb 3.00 - —
No. 11, cns. lb 2.25 - —
No. 12, cns. lb 3.00 - —
No. 17, cns. lb.10.95 - —
No. 18, cns. lb.24.00 - —
No. 19, cns. lb.20.05 - —
No. 21, cns. lb 4.70 - —
No. 22, cns. lb.10.95 - —
No. 28, cns. lb.24.65 - —
No. 33, cns. lb.17.45 - —
Violet, D&C, No. 2, cns lb.16.10 - —
Yellow, D&C, No. 7, cns. lb.10.95 - —
No. 8, cns. lb.10.95 - —
No. 10, cns. lb.13.50 - —
No. 11, cns. lb.13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb.14.65 - —
No. 37, cns. lb.12.55 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext. D&C, No. 1, cns lb.16.10 - —
Green, Ext. D&C, No. 1, cns. lb.16.10 - —
Red, Ext. D&C, No. 1, cns. lb.13.50 - —
Yellow, Ext. D&C, No. 1, cns. lb.10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).
20 Chrysodine G. lb. .59 - —
27 Orange G. lb. .71 - —
31 Amido naphthol red G. lb. .59 - —
36 Alizarine yellow 2G lb. .76 - —
40 Alizarine yellow R lb. .97 - —
57 Amido naphthol red 6B lb. .90 - —
79 Ponceau R. lb. .68 - —
151 Orange II. lb. .44 - —
165 Red lake C. lb. 1.05 - —
179 Azo rubine. lb. .93 - —
176 Red lake A. lb. .80 - —
180 Diamond blue 3B. lb. .84 - —
185 Cochineal red A lb. .85 - —
202 Chrome blue black R. lb. .62 - —
203 Chrome black T. lb. .72 - —
208 Sulphon acid blue R. lb. .83 - —
216 Acid alizarin red B. lb. .77 - —
234 Resorcin brown lb. .52 - —
246 Naphthol blue black. lb. .78 - —
278 Benzo fast red SBL lb. 2.74 - —
289 Sulphon cyanine 5R extra lb. 1.00 - —
299 Diamond black F lb. 1.78 - —
304 Nerol 2B lb. 1.84 - —
326 Benzo fast orange S lb. 1.45 - —
332 Bismarck brown R lb. .78 - —
365 Chrysophenine lb. 2.14 - —
382 Diamine black BH. lb. 1.51 - —
401 Diamine black BH. lb. .58 - —
406 Benzo blue 2B conc. lb. .98 - —
419 Diamine fast red F. lb. 1.05 - —
420 Diamine brown M. lb. .82 - —
448 Benzo purpurine 4B. lb. 1.06 - —
518 Diamine sky blue FF. lb. 1.48 - —
561 Trisulphon brown B lb. 1.78 - —
581 Direct deep black EW extra, lb. .81 - —
593 Diamine green B. lb. .60 - —
598 Congo brown G. lb. 1.20 - —
620 Sun yellow lb. .54 - —
639 Xylene light yellow. lb. 1.77 - —
640 Tartrazine lb. 1.34 - —
655 Auramine lb. 1.69 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)—
657 Malachite green. lb. 1.93 - —
662 Brilliant green. lb. 2.55 - —
667 Brilliant milling green B lb. 5.27 - —
671 Glaucine lb. 1.54 - —
680 Methyl violet B. lb. .95 - —
681 Crystal violet lb. 1.91 - —
698 Formyl violet S4B. lb. 1.51 - —
720 Chrome azurol B. lb. 3.60 - —
729 Victoria blue B. lb. 2.48 - 2.68
737 Wool green S. lb. 2.14 - —
749 Rhodamine B. lb. 3.85 - —
814 Chloramine yellow. lb. 2.76 - —
841 Safranine lb. 2.58 - —
865 Nigrosine WSJ 78. lb. .60 - —
922 Methylene blue GXX. lb. 1.28 - —
969 Hydron blue R. lb. .72 - —
978 Sulphur black T extra. lb. .28½- —
1027 Alizarin VI lb. .64 - —
1034 Alizarin red S lb 2.30 - —
1054 Alizarin saphiro B lb. 2.59 - —
1078 Alizarin cyanine green lb. 2.61 - —
1085 Alizarin blue black B lb 2.13 - —
1656 Indanthrene golden orange G, single paste lb 1.96 - —
double paste lb. 3.92 - —
1099 Indanthrene dark blue BO, single paste lb. 1.72 - —
1101 Caledon jade green lb. 2.52 - —
1106 Indanthrene blue RS, double paste lb. 2.52 - —
1113 Indanthrene blue GCD, double paste lb. 1.72 - —
1150 Indanthrene olive R, single paste lb. 1.08 - —
1151 Indanthrene brown R, single paste lb. 1.65 - —
double paste lb. 3.29 - —
1212 Indanthrene red violet RH, single paste lb. 1.54 - —
1217 Helindon orange R, single paste lb. 1.57 - —
p-4 Acid anthracine brown P G lb. 2.48 - —
p-14 Anthracene chromate brown EB lb. 1.25 - —
p-24 Benzo fast black L lb. 1.94 - —
p-80 Diazo brilliant scarlet ROA lb. 2.55 - —
p-202 Zambesi black V lb. .97 - —
p-244 Celliton scarlet B lb. 1.25 - —
p-313 Naphthol AS-SW lb. 2.74 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black, blue, No. 550 lb. 72 - —
Jet, No. 551 lb. 79 - —
Brown, R, conc lb. 1.44 - —
Orange R, brilliant lb. .80 - —
Red 4 B, conc lb. 1.22 - —
Yellow, C lb. 1.05 - —
FN, conc. lb. 1.08 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.
Auramine, O lb. 1.69 - —
Black, basic, blue lb. 1.08 - —
Jet lb. 1.08 - —
Blue, methylene, 2 B, conc lb. 1.42 - —
Brown, Bismarck, R, conc lb. 78 - —
Chrysodine, R, extra lb .55 - —
Y, extra lb. .59 - —
Fuchsine, conc lb. 2.82 - —
Green, malachite, conc lb. 1.93 - —
Rhodamine, B lb. 3.97 - —
Safranine, Y, conc lb. 2.66 - —
Violet, methyl, B lb. 1.01 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.
Black, acid blue, B extra lb. 76 - —
Orange, acid, Y, conc lb. .42 - —
Rhodamine, azo-R, extra, conc.
Rhodamine, R, extra, conc lb. 3.97 - —
Scarlet, croceine, MOO lb. 1.33 - —
Yellow, azo-, conc lb. .82 - —
Fast light, 3 G, extra lb. 1.80 - —
Methanil, conc lb. .83 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. .45 - .55
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.09 - 1.12
Chinese, spot, bbls, duty paid lb. .80 - .85
tanners, bbls lb. .06½- .07
Elder flowers, bright, bls lb. .40 - .50
Elecampane root, bls lb. .22 - .25
Elm bark, grinding, bls lb. .30 - .35
powd., bbls., bxs lb. .40 - .45
select, bndls lb. .55 - .60
Emetine hydrochloride, USP, bots oz.37.50 -40.00
Ephedra herb, bls lb. .30 - .32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - —
hydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate, cryst., tins, 100 ozs. oz. .72 - —
powd., tins, 100 ozs oz. .73 - —
Epichlorohydrin, dms., c.l., works lb. .36½- —
l.c.l., works lb. .37½- —
tanks, works lb. .35 - —
Epinephrine, synth., USP, bots., 100 grams gram .45 - —
Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Ergot, NF, dms., tin-lined lb. 4.00 - 4.25
Eserine, bots. oz.45.00 -50.00
Salicylate, USP, bots oz.33.00 -34.00
Sulphate, bots oz.36.00 -37.00
Ether, acetate (see Ethyl acetate).
Butyl, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .29 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works, lb. 16½- —
l.c.l., same basis lb. .17 - —
tanks, same basis lb. .15 - —
Divinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.00 - —
75 cc. hospitals bot. 1.56 - —
NF, dms., dlvd lb. .25 - —
Ethyl, absolute, ACS, dms lb. .30 - —
anesthesia, USP, hospital, cns. lb. .75 - .90
Industrial, USP, dms., c.l., dlvd, lb. .10½- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .08½- —
synthetic, dms., incl., dlvd. East, lb. .10½- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .08½- —
Isopropyl, dms., c.l., dlvd lb. .06¼- —
l.c.l., dlvd. lb. .07¼- —
tanks, dlvd. lb. .04½- —
Nitrous, conc., bots., 100 lbs lb. 1.03 1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld. lb. .10¾- —
l.c.l., frt. alld lb. .11⅞- —
tanks, frt. alld lb. .09 - —
95-96%, dms., c.l., frt. alld lb. .11 - —
l.c.l., frt. alld lb. .12 - —
tanks, frt. alld lb. .09¼- —
98%, dms., c.l., frt. alld lb. .11¼- —
l.c.l., frt. alld lb. .12¼- —
tanks, frt. alld lb. .09½- —
NF, dms., frt. alld lb. .25 - —

HEYDEN

The Sign of Quality and Reliability!

FINE HEYDEN CHEMICALS

FORMALDEHYDE

In tank cars or in bottles, Heyden Formaldehyde is a clear, colorless solution free of impurities which might cause residual foreign odor or discoloration.

Produced under rigid laboratory control from pure raw materials, it assures uniform yields and high quality. Available as Formaldehyde Solution U.S.P. or as Methanol-free Formaldehyde, it assays not less than 37% by weight.

Shipped in tank cars, tank trucks, drums, carboys and bottles.

H-C-H

PARAFORMALDEHYDE

This alternative source of methylene linkages is equal to Heyden Formaldehyde in purity and uniformity.

Powder, Flo Granules and Granules • Fiber Drums: 250, 100, 50 and 25 lbs.

H-C-H

HEXAMETHYLENETETRAMINE

U.S.P. (Methenamine) Granular and Powder • Fiber Drums: 100, 50 and 25 lbs.

Technical Granular and Powder.

Barrels: 200 and 150 lbs. • Fiber Drums: 100, 50 and 25 lbs.

H-C-H

HEYDEN CHEMICAL CORPORATION

393 SEVENTH AVENUE, NEW YORK 1, N. Y.

CHICAGO 6 • PHILADELPHIA 3

SAN FRANCISCO 11 • RUMFORD 16, R. I.

Benzaldehyde • Benzoates • Benzyl Chloride • Bromides • Chlorinated Aromatics • Chlorobenzenes • Creosotes • 2,4-D • Formaldehyde • Formic Acid • Glycerophosphates • Guaiacols • Hexamethylenetetramine • Medicinal Colloids • Methylene Disalicylic Acid • Paraformaldehyde • Parahydroxybenzoates • Penicillin • Pentaerythritols • Propyl Gallate • Quadrafos • Salicylates • Salicylic Acid • Streptomycin

Ethyl acetate synthetic, 85-90%, dms., c.l., frt. alld....lb. .10¾- —
l.c.l., frt. alld.....lb. .11¾- —
tanks, frt. alld.....lb. .09 - —
93-98%, c.l., frt. alld.....lb. .11 - —
l.c.l., frt. alld.....lb. .12 - —
tanks, frt. alld.....lb. .09¼- —
99%, dms., c.l., frt. alld..lb. .11¼- —
l.c.l., frt. alld.....lb. .12¼- —
tanks, frt. alld.....lb. .09½- —
Acetoacetate, dms., c.l., dlvd lb. .47½- —
l.c.l., dlvd. .....lb. .48½- —
tanks, dlvd. .....lb. .46 - —
Acrylate, dms., c.l., and truckload, works lb. .49 - —
less than truckload, works..lb. .49½- —
tanks, works .....lb. .48 - —
Benzoate, dms. .....lb. .70 - .75
Betaethoxypropionate dms. works lb. 70
Bromide, tech., 98%, dms..... lb. .39 .41
Butyrate, bots.....gal. 4.75 - 5.35
cns., works .....lb. .65 .60
dms., works .....lb. .60 - —
Carbamate (see Urethane)
Chloride, tech., tanks, frt. alld. E. lb. .13½- —
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns. .....lb. 2.25 - 2.50
Formate, dms. .....lb. .55 - .65
Iodide, bots., works.....lb. 3.88 - 4.27
Lactate, dms., works.....lb. .41 - —
Methacrylate, dms., c.l. and truckload, works lb. .50 - —
less than truckload, works.. lb. .50½- .60
Nitrite (see Ether, nitrous).
Oenanthate, dms.....lb. .95 - 1.50
Oleate, dms., l.c.l. works .....lb. .53 - —
Oxalate (see Diethyl oxalate).
Silicate, dist (see Tetraethyl-orthosilicate).
40% available SiO_2, dms., works. lb. .55 - —
Ethylalphanaphthylamine, dms lb. .80 - —
Ethylanilin, dms. .....lb. .50 - —
Ethylbenzene, dms., c.l.....lb. .14 - —
t.c.l. .....lb. .15 - —
tanks .....lb. .13 - —
Ethylcellulose, 6b dms., 5,000 lbs., works lb. .52 - —
smaller lots, works .....lb. .54 - .62
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies lb. .09½- —
W. of Rockies .....lb. .10½- —
l.c.l., works, frt. alld. E of Rockies lb. .11½- —
W. of Rockies.....lb. .12½- —
tanks, frt. alld., E. Rockies . lb .08 - —
W. of Rockies.....lb. .09 - —
Oxide, cyls., c.l., frt. alld.....lb. .23¾- —
l.c.l., frt. alld .....lb. .24¾- —
tanks, frt. alld.....lb. .16¾- —
Trichloride (see Trichloroethane)
Ethylenediamine, dms., c.l., works.lb. .42 - —
l.c.l., works .....lb. .42½- —
tanks, works .....lb. .40 - —
Ethyleneglycol, dms., c.l., frt. alld. E lb. .16 - —
t.c.l., same oasis.....lb. .17 - —
tanks, same basis .....lb. .14½- —
Diethylether, dms., t.c.l. works lb. .50 - —
Monobutylether, dms., c.l., works lb. .20 - —
t.c.l., works.....lb. .20½- —
tanks, works.....lb. .18½- —
Monoethylether, dms., c.l., works lb. .18 - —
t.c.l., works.....lb. .16½- —
tanks, works.....lb. .16½- —
Monoethylether acetate, dms., c.l., works lb. .16 - —
t.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monomethylether, dms., c.l., works. lb. .19½- —
t.c.l., works .....lb. .20 - —
tanks, works .....lb. .18 - —
Monomethylether acetate, dms., c.l., works lb. .24½- —
t.c.l., works.....lb. .25 - —
tanks, works .....lb. .23 - —
Monostearate, dms. .....lb. .33 - —
Ethylethanolamines, mixed, dms., c.l., works lb. .32 - —
l.c.l., works .....lb. .33 - —
Ethylmorphine hydrochloride, USP, bots oz. 11.85 - —
Ethylorthotoluidine, bbls. .....lb. .80 - —
Ethylvanillin, cns., 3 lbs. or more lb 6.75 - —
smaller lots .....lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms.....lb. 1.25 - 2.05
Eucalyptus leaves, bls .....lb. 10 - .14
Eugenol, prime, USP.....lb. 2.10 - 2.95
Euphorbia, pil., nero., ols.....lb. .18 - .20

F

Feldspar enamel, 100 mesh, bgs., works ton.20.00 -22.00
Glass, 20 mesh, bulk, tons, works. ton.11.75 -12.50
Pottery, bgs., ton lots, works..ton.20.00 -22.00
bulk, c.l., works.....ton.18.00 -20.00
Fennel seed, Czech., dark, bgs..lb. .09 - .10
French, bgs. .....lb. .11 - .11½
Indian, bgs.....lb. .12 - .12½
Fenugreek, domestic, bgs.....lb. No stocks.
Indian, bgs.....lb. .11 .11½
Moroccan, bgs. .....lb. .06 - .06½
Syrian, bgs. .....lb. .06½- .06¾
Ferric-ammonium citrate (see iron-ammonium citrate)
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see iron-glycerophosphate).
Ferric hypophosphite (see iron hypophosphite).
Ferric sulphate (see iron sulphate, ferric).
Film scrap, colored, cs., works..lb. .11½- —
water-white, cs., works.....lb. .13½- —
Fir balsam, Canada, cns.....gal.32.50 -33.00
Oregon, bbls. .....gal. 2.35 - 2.60
Fishberries, bgs.....lb. .20 - .25
Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area..ton.130.00 - —
Fishscrap, dried, 60% protein, bulk, Balto. area..ton.122.50 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls.....lb. 42 - .45
Fluorspar, acid grade, bgs., c.l., mines..ton.47.50 - —
t.c.l., mines.....ton.49.50 - —
bulk, contract, c.l., mines ton.42.00 - —
noncontract, c.l., mines ton.45.00 - —
l.c.l., mines. .....ton.47.00 - —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines..net ton.39.00 -41.00
powd., 90-92% .....ton.41.00 - —
foundry grade, lump, 55-60%, ton.34.00 - —
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton.35.00 -37.00
65%, bulk, c.l., mines.....ton.34.00 -36.00
60%, bulk, c.l., mines.....ton.33.00 -35.00
less than 60%, bulk, c.l., mines. ton.32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb. .0570- —
t.c.l., E. works.....lb. .0620- —
tanks, E. works.....lb. .0370- —
Formaldehyde, methanol-free (uninhibited), tanks, works lb. .0330- —

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

Fuller's earth dom., powd., bgs., c.l., Fla., Ga mines..ton.30.00 - —
Tex., mines .....ton.27.00 - —
spent, bulk, Bayonne.....ton 2.00 4.00
imported, bgs., c.l.....ton.30.00 -40.00
Furfural, tech., dms., c.l., works lb. .12 - —
t.c.l., works... .....lb. .14 - —
tanks, works.....lb. .09½- —
Fusel oil, refined, dms., c.l., dlvd lb. .23¾- —
l.c.l., dlvd.....lb. .24¾- —
tanks, dlvd.....lb. .22 - —
Fustic extract, cryst., No. 2, bbls., l.c.l lb. .42½- —
No. 1A, bbls., l.c.l.....lb. .41½- —
No. 2, bbls., l.c.l.....lb. .40½- —
No. 3, bbls., l.c.l.....lb. .38½- —
liquid, No. 0, bbls., l.c.l.....lb. .22 - —
No. 1, bbls., l.c.l.....lb. .20½- —
No. 2, bbls., l.c.l.....lb. .19½- —
No. 3, bbls., l.c.l.....lb. .17 - —
solid, No. 1, bxs., l.c.l.....lb. .28 - .40

G

G salt, bbls.....lb. .59 - .60
Galangal root, bls.....lb. .22 - .25
Gambier, plantation, bgs., ex dock.lb. No stocks.
Extract, bbls..... No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane, tanks, gal. .105 - —
Bayonne, 83 octane, tanks.gal. .116 - —
Gulf coast, 82 octane, tanks, gal. .105 - .11
Group 3, 82 octane, tanks, gal. .10125- .10375
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .1275- —
natural, 26-70 octane group 3, tanks..gal. .05125- —
Gelatin, silver label, imported, cs lb. 1.13 - —
Gelsemium root, bls.....lb. .25 - .30
Gentian root, bls .....lb. .13 - .17
grd., bbls., bxs.....lb. .17 - .18
powd., bbls., bxs.....lb. .18 - .21
Geraniol, extra, cns., dms.....lb. 2.60 - 3.00
prime .....lb. 2.20 2.40
Geranyl acetate, cns.....lb. 2.60 - 3.00
Ginger, oleoresin, NF, African, bots, lb. 7.25 - 8.70
Jamaican .....lb. 9.40 -12.50
Root, African, bls.....lb. .37 - .37½
May-June shipment, bgs.....lb. .38 - .39
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs. .....lb. .49 - .49½
Jamaica, No. 1, bgs.....lb. .58 - .60
No. 2, bgs.....lb. .54 - .56
No. 3, bgs.....lb. .52 - .53
Rhattoon, bgs. .....lb. .50 - .50½
Nigerian, split, bgs.....lb. .31 - .32
Ginseng root, cs.....lb.12.00 -16.00
Glauber's salt, annyd. (see Sodium sulphate).
cryst., bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., bgs., works.....100 lbs. 1.75 - 2.00

Ethyl Acetate, Synthetic—Glue, Hide

Glue, bone, calcium type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest..lb. .18½- —
65 jellygrams, bgs., c.l., same basis..lb. .20 - —
80 jellygrams, bgs., c.l., same basis..lb. .21 - —
110 jellygrams, bgs., c.l., same basis..lb. .22 - —
130 jellygrams, bgs., c.l., same basis..lb. .23 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .24 - —
Bone glue, t.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l., (50,000 lbs.), dlvd..lb. .20½- —
t.c.l., same basis.....lb. .21½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd..lb. .22 - .25
122-149, bgs., c.l., dlvd . . lb. .23 .26
150-177, bgs., c.l., dlvd.....lb. .24 .27
178-206, bgs., c.l., dlvd.....lb. .25 .29
207-236, bgs., c.l., dlvd.....lb. .26 .30
237-266, bgs., c.l. dlvd.....lb. .27 - .31
267-296, bgs. c.l., dlvd.....lb. .28 .32
299-330 bgs., c.l., dlvd.....lb. .29 - .33
331-362, bgs., c.l., dlvd.....lb. .30 .33
363-394, bgs., c.l., dlvd.....lb. .31 - .34
lb. .31 - .34
395-427, bgs., c.l., dlvd.....lb. .32 .35
428-460, bgs., c.l., dlvd.....lb. .33 .36½
461-494, bgs., c.l., dlvd.....lb. .34 .38
495-529 bgs., c.l., dlvd.....lb. .35 .39

Hide glue, t.c.l., prices 1c. higher than c.l., bbls. ½c more than bgs.

WHERE DID IT GO?
Down the sewer — rejected.

WHY?
Unreliable chemicals spoiled it.

Even when only one batch in ten goes sour, your cost on the other nine goes up at least 11%. That's why so many process industries have found it pays to use Mallinckrodt *Fine Chemicals*. Their unwavering purity makes it far easier to turn out uniformly better batches . . . eliminate rejects.

RESULT:
Often your spoilage savings enable you to maintain *higher* quality at *lower* long-run cost. May we give you the benefit of our long experience in solving quality control problems?

▪ better batches *begin* with MALLINCKRODT FINE CHEMICALS

MALLINCKRODT CHEMICAL WORKS
Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York, N. Y.
CHICAGO • CINCINNATI • CLEVELAND • LOS ANGELES • MONTREAL • PHILADELPHIA • SAN FRANCISCO
Manufacturers of Medicinal, Photographic, Analytical and Industrial Fine Chemicals

Glycerin—Lime, Chemical

Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb. .16¾ - .18¾
soaplye, 80%, tanks, dlvd.. lb. .15¼ - .16½
dynamite, dms., c.l., dlvd..... lb. .24 - —
l.c.l., dlvd..... lb. .24½ - —
tanks, dlvd ..... lb. .23½ - —
high gravity, dms., c.l., dlvd.. lb. .24¼ - —
l.c.l., dlvd..... lb. .24¾ - —
tanks, dlvd ..... lb. .23¾ - —
refined, BP, 98%, dms., c.l., dlvd. lb. .25½ - —
l.c.l., dlvd..... lb. .26 - —
tanks, dlvd..... lb. .25 - —
USP, c.p., 95% dms., c.l., dlvd. lb. .24¾ - —
l.c.l., dlvd..... lb. .25¼ - —
tanks, dlvd..... lb. .24¼ - —
yellow, distilled, dms., c.l., dlvd lb. .24½ - —
lb. .24½ - —
l.c.l., dlvd. ..... lb. .24⅝ - —
tanks, dlvd. ..... lb. .23⅝ - —

Glycine USP (see Acid, aminoacetic).

Glyoxal, 30%, dms., c.l., works lb. .17½ - —
l.c.l., works..... lb. .18 - —
tanks, works ..... lb. .17 - —
Gold chloride, acid-brown, bots.. oz. 22.50 -23.00
acid-yellow, bots... oz. 20.50 - —
Gold of pleasure seed, bgs ..... lb. .40 - .41
Goldenseal root, bls..... lb. 2.90 - 3.50
powd., bxs. ..... lb. 3.50 - 4.00
Gold-sodium chloride, photo, bots. oz. 13.00 -14.00
USP IX, bots..... oz. 14.50 -15.50
Grains of paradise, bgs..... lb. .42 - .45
Graphite, imported, amorph., powd., bgs., dlvd lb. No prices.
crystalline, 88-90%, powd., bgs., ex whse lb. No prices.
90-92%, powd., bgs., ex whse. lb. No prices.
97%, powd., bgs., ex whse lb. No prices.
flake, No. 1 90-95%, ngs., ctns., ex whse lb. No prices.
No. 2, whse..... lb. No prices.
Grease, house, loose, dlvd..... lb. .03¼ - —
White, choice, loose..... lb. .05⅛ - —
Wool (see Degras and Lanolin).
Yellow, loose..... lb. .03⅜ - —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works ..... lb. 4.25 - 4.50
16-20%, bbls., same basis lb. .38½ - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .32 - —
6-10%, bbls., same basis .. lb. .33 - —
11-15%, bbls., same basis .. lb. .34 - —
16-20%, bbls., same basis. lb. .34½ - —
21-25%, bbls., same basis .. lb. .35¼ - —
26-30%, bbls., same basis .. lb. .35¾ - —
31-35%, bbls., same basis .. lb. .36¾ - —
36-40%, bbls., same basis .. lb. .38½ - —
41-45%, bbls., same basis .. lb. .40 - —
46-50%, bbls., same basis .. lb. .22¼ - —
50% and over, bbls., same basis lb. .42¾ - —
reduced color, 5%, bbls., same basis lb. .12½ - —
6-10%, bbls., same basis .. lb. .13¼ - —
11-13%, bbls., same basis .. lb. .13¾ - —
14-16%, bbls., same basis .. lb. .14½ - —
17-19%, bbls., same basis .. lb. .14¾ - —
20-21%, bbls., same basis .. lb. .15 - —
22-23%, bbls., same basis .. lb. .15¼ - —
24-25%, bbls., same basis .. lb. .15¼ - —
26-27%, bbls., same basis .. lb. .15¾ - —
28-29%, bbls., same basis .. lb. .16¼ - —
30-31%, bbls., same basis .. lb. .17¼ - —
32-33%, bbls., same basis .. lb. .18½ - —
34-35%, bbls., same basis .. lb. .19½ - —
36-40%, bbls., same basis .. lb. .41¾ - —
41-45%, bbls., same basis .. lb. .24½ - —
46-50%, bbls., same basis .. lb. .26 - —
51-55%, bbls., same basis .. lb. .25¾ - —
56-60%, bbls., same basis .. lb. .26¼ - —
61-65%, bbls., same basis .. lb. .27¼ - —
66-70%, bbls., same basis .. lb. .28½ - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb. .33 - .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner bbls., works, lb. 4.40 - 5.00
Green, tungstated, brilliant, kgs lb. 3.00 - 4.00
Emerald, kgs ..... lb 2.60 - —
Grindelia robusta herb, bls..... lb. .24 - .30
Guaiac resin, NF, cs..... lb. .60 - .65
ordinary, cs. ..... lb. .49 - .51
Wood, bls ..... lb. .35 - .36
Guaiacol, cryst., tins ..... lb No prices.
Liquid, NF, bots., cbys..... lb. 1.90 - 3.95
Carbonate dms ..... lb 2.95 - 3.00
Guarana, powd.. cs. ..... lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A.).
Ammoniac, tears, cs ..... lb. .90 - .95
Arabic, amber, sorts, bgs..... lb. .12 - .13½
powdered, USP, bbls..... lb. .20½ - .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs ..... lb. .50 - .70
Camphor (see C).
Copal, Congo, No. 1, bgs ..... lb. .25 - .26
No. 2, bgs..... lb. .20 - .21
No. 3, bgs..... lb. .17 - .18
Manila, toba, B, bgs..... lb. No prices.
C, bgs. ..... lb. .26 - .27
CBB, bgs..... lb. .23 - .24
CNE, bgs. ..... lb. No prices.
DBB, bgs. ..... lb. .22 - .23
DK, bgs. ..... lb. .13 - .14
dust, bgs. ..... lb. No prices.
soft, MA, bgs..... lb. .15 - .16
WS, bgs. ..... lb. No prices.
Philippine, pale, chips, bgs.. lb. .21 - .22
nubs, bgs..... lb. .24 - .25
seeds, bgs..... lb. .15 - .16
sorts, bgs..... lb. .17 - .18
Gum, copal, Pontianak, chips, bgs.. lb. .14 - .16
nubs, bgs. ..... lb. .25 - .27
Dammar, Batavia, A/D, bgs lb. .26 - .30
A/E, bgs..... lb. .23 - .24
dust, bgs..... lb. .12 - .13
E, bgs. ..... lb. .12½ - .13½
East India, batu, bold, bgs lb. .09 - .10
nubs and chips, bgs..... lb. .06 - .07
black, bold, bgs..... lb. .11 - .12
unscraped, bgs. ..... lb. .09 - .10
nubs and chips, bgs..... lb. .09 - .10
pale, chips, bgs ..... lb. .11 - .13
nubs, bgs. ..... lb. .20 - .22
Singapore, No. 1, bgs..... lb. .28 - .30
No. 2, bgs..... lb. .20 - .21
No. 3, bgs. ..... lb. No prices.
dust, bgs. ..... lb. .09 - .10
seeds, bgs. ..... lb. .12½ - .13½
Elemi, cns. ..... lb. .22 - .23
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W Va lb. .12 - .12½
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc. lb. .12 - .12½
Euphorbium, cs. ..... lb. .35 - .40
Galbanum, cs. ..... lb. 75 - .80
Gamboge, pipe, cs ..... lb. 1.00 - 1.05
powd., bbls. ..... lb. 1.15 - 1.20
Ghatti, No. 2, bgs..... lb. .35 - .37
No. 3, bgs ..... lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 ..... lb. .49 - .54
No. 2 ..... lb. .45 - .46
No. 3 ..... lb. .34 - .35
Kauri, bgs. ..... lb. .31½ - .32¾
Locust bean, powd., bgs ..... lb. .32 - .34
Mastic, cs. ..... lb. 2.25 - 2.50
Myrrh, cs. ..... lb. .30 - .35
Olibanum, siftings, cs..... lb. .12 - .13
tears, cs. ..... lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. ..... lb. 1.95 - 2.25
Scammony, cs ..... lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs ..... lb. .10 - .11
Tragacanth, No. 1, cs..... lb. 2.75 - 3.00
No. 2, cs ..... lb. 2.50 - 2.75
No. 3, cs ..... lb. 1.75 - 2.00
powdered, USP, bbls..... lb. 1.35 - 1.45
Yacca, bgs. ..... lb. .05½ - .06½
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton. 22.65 - —
Harlem river, N. Y., frt. equald ton. 28.25 - —
Medicine Lodge, Kan., frt. equald ton. 17.00 - —
New Brighton, N. Y., frt. equald ton. 30.65 - —
Southard, Okla., frt. equald. ton. 17.00 - —
Sweetwater, Tex., frt equald ton. 21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald. ton. 12.50 - —
Blue Rapids, Kans., frt. equald ton. 10.50 - —
Harlem river, N. Y., frt. equald ton. 12.00 - —
Medicine Lodge, Kan., frt. equald ton. 12.50 - —
New Brighton, N. Y., frt equald ton. 13.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt. equald ton. 12.50 - —
Stucco, paper bgs., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, paper bags, c.l., Harlem River, N. Y. works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 - —

H

Hawthorn berries, bgs ..... lb. .39 - .45
Heliotropin, cryst., cns..... lb. 3.00 - 3.25
Hellebore root, dom., green, bls lb. .55 - .60
imp., black, whole, bls. ..... lb. .20 - .25
ground, bxs. ..... lb. .25 - .30
powder, bxs. ..... lb. .27 - .32
white, whole, bls. ..... lb. .30 - .40
powder, bxs. ..... lb. .35 - .45
Helonias root, bls..... lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½ - —
No. 1, bbls., l.c.l..... lb. .44½ - —
No. 1A, bbls., l.c.l..... lb. .41½ - —
No. 2, bbls., l.c.l..... lb. .40½ - —
No. 3, bbls., l.c.l..... lb. .38½ - —
No. 4, bbls., l.c.l..... lb. .36½ - —
No. 5, bbls., l.c.l..... lb .24½ - —
paste, No. 1, bbls., l.c.l..... lb. .19 - —
No. 2, bbls., l.c.l..... lb. .18 - —
No. 3, bbls., l.c.l..... lb. .17 - —
No. 4, (red), bbls., l.c.l. lb. .12½ - —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb No stocks.
tanks, works ..... lb No stocks.
Henbane leaves, bls..... lb. .30 - .40
Henna leaves, bls ..... lb. .23 - .25
powd., bbls., bgs..... lb. .27 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .16½ - —
group 3, tanks gal. 12½ - .13⅛
Hesperidin methylchalcone, works, lb. 50.00 - —
Hexalin (see Cyclohexanol)
Hexamethylenetetramine tech., bgs. c.l., Perth Amboy or N.Y. C.. lb. .22 - —
l.c.l., same basis ..... lb. .22½ - —
bbls., c.l., same basis..... lb. .24 - —
l.c.l., same basis ..... lb. .24½ - —
USP, dms., 500 lbs. or more, same basis lb. .38½ - —
smaller lots, same basis . lb. .39½ - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks, gal. .13¼ - .14⅛
Bayonne, N. J., tanks ..... gal. .16½ - —
Hexanol, normal, dms., c.l., works, lb. .30½ - —
l.c.l., works..... lb. .31 - —
tanks, works..... lb. .29 - —
Hexyleneglycol, dms., c.l., dlvd.. lb. .14¼ - —
l.c.l., dlvd. ..... lb. .15¼ - —
tanks, dlvd. ..... lb. .12½ - —
Hexylmethacrylate, normal, dms., less than truckload, works, lb. .71 - —
Hexylresorcinol, USP, 50 lbs. up, frt. alld. lb. 17.00 - —
works ..... lb. 15.00 -17.00
smaller lots, frt. alld..... lb. 18.00 - —
works ..... lb. 18.00 -20.00
Histamine diphosphate, USP, bots kilo. 375.00 - —
Histidine hydrochloride—laevo. NF, fib. dms., 50 kilo lots, works kilo. 100.00 -120.00
1-5 kilos, works ..... kilo. 110.00 -130.00
Homatropine hydrobromide, USP, bots oz. 15.00 -16.00
Hydrochloride, bots ..... oz. 20.00 -22.00
Methylbromide, NF ..... oz. 13.00 -16.25
Hootmeal, 17-18% ammonia bulk, c.l., Chicago..unit-ton. 6.25 - —
Hops, NF, bls. ..... lb 40 - .45
Horehound, bls. ..... lb. .19 - .20
Hydrangea root, bls..... lb 14 - 17
Hydrastine, bots. ..... lb. 31.00 -37.00
Hydrochloride, NF..... oz. 29.50 -36 00
Sulphate, bots ..... lb. 35.00 -37.00
Hydrastinine, 10-grain bots.... bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cans., works lb. .30 - .40
Hydrogen peroxide, USP, bbls... lb. .03¾ - .05
27½%, cbys., E. of Miss.... lb. .17½ - .19½
35%, cbys., same basis..... lb. .23½ - .25½
dms., c.l., same basis ..... lb. .20½ -
l.c.l., same basis..... lb. .21 - .23½
tanks ..... lb 19¾ -
Hydrogen peroxide prices ex W. Coast, 2c. per lb. higher.
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech. dms. ..... lb 70 - —
Hydroxycitronellal, cns. ..... lb. 7.30 - 8.05
Hyoscine salts (see Scopolamine)
Hyoscyamine, bots. ..... oz. 15.75 -16.00
Hydrobromide, bots. ..... lb. 16.50 -18.00
Sulphate, bots. ..... oz. 13.50 -14.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l ..... lb. .48 - —
liquid, No. 1, bbls., l.c.l..... lb. .30 - —
No. 2, bbls., l.c.l ..... lb. .25 - —
solid, No. 1, bxs., l.c.l..... lb. .44 - —
Hyssop herb, bgs..... lb. .35 - .45
Leaves, bgs. ..... lb. .45 - .50

I

Iceland moss, bgs..... lb. .35 - .40
Ichthammol, F, dms. ..... lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests..... lb. 2.14 - 2.16
synth., paste, bots..... lb. .23 - —
powd., bbls..... lb. 1.03 - —
Indol, CP, bots..... lb. 17.00 -19.00
Inositol, dms., dlvd ..... lb. 4.90 - —
tins, dlvd ..... lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs..... lb. 1.52 - —
resubl., USP., bots., jars ..... lb. 2.30 - 2.41
Iodochlorohydroxyquinolin, NF, dms. lb. 5.90 - —
Iodoform, NF, dms., kgs..... lb. 4.45 - 4.60
Ionone, alpha, cns ..... lb. 5.30 -13.65
beta, cns. ..... lb. 8.40 -10.25
Ipecac root, bgs..... lb. 4.10 - 4.75
powd., bgs. ..... lb. 4.40 - 5.00
Irish moss, bleached, prime, bls. lb. .16 - .18
Iron acetate, liquor, 28° bbls., c.l., works lb. .09 - —
l.c.l., works ..... lb. .09¼ - —
solut., USP IX, cbys..... lb. .16 - —
djns. ..... lb. .17 - —
Cacodylate, NF, bots..... lb. 13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works.. 100 lbs. 5.75 - —
l.c.l., works ..... 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works. 100 lbs. 5.00 - 6.00
t.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP, dms., works ..... lb. .06¾ - .08¼
solut., 42 Be. 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms..... lb. .77 - .80
Gluconate, NF, dms..... lb. .83 - .95
Glycerophosphate, N.F., powd lb 4.25 - 4.35
Hypophosphite, NF, dms ..... lb. 2.80 - —
Iodide, bgs..... lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼ - .21¾
Oxalate, gran., dms ..... lb. .83 - .85
Phosphate, soluble, NF, gran. cs. lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. 69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .23 - —
Stearate, dms., c.l..... lb. .34 - —
ton lots ..... lb. .35 - —
less ton lots ..... lb. .36 - —
Sulphate, partially hydrated, bgs., c.l., works..ton. 28.50 - —
t.c.l., works ..... ton. 29.50 - —
ferrous, tech. (see Copperas)
USP, cryst., bbls., dms ..... lb. .09½ - .10
Iron by hydrogen, kgs ..... lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .58
brown, USP, gran., dms .. lb. .55 - .58
Oxalate, dms ..... lb. .25½ - .28⅛
Iron-potassium oxalate fine gran., dms. ..... lb. .30½ - .33½
Iron-sodium oxalate, fine gran., dms lb. .25½ - .28⅛
Isoborneol, cns. ..... lb. .84 - .95
Isobornyl acetate, cns..... lb. .77 - .97
Thiocyanoacetate, dms., c.l., works. gal. 3.85 - —
t.c.l., works ..... gal. 3.85 - 4.05
tanks, works ..... gal. 4.23 - —
Isobutyl acetate, cns..... lb. .72 - 1.25
Methacrylate, dms., works..... lb. .60 - —
Propionate, cns ..... lb. No prices.
Isobutyraldehyde dms., works... lb .57 - .53
Isoeugenol, cns. ..... lb. 3.15 - 3.70
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb. 25.00 -35.00
Isopentane, dms. works ..... lb. .45 - .55
Isophorone, dms., c.l., works.. lb. .22½ - —
l.c.l., works ..... lb. .23 - —
tanks, works ..... lb. .21 - —
Isopropanol (see Alcohol, isopropyl)
Isopropyl acetate, dms., c.l., frt. alld. lb. .10¾ - —
l.c.l., same basis..... lb. .11½ - .11¾
tanks, same basis..... lb. .09 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Isopropylamine, dms., c.l., frt. alld. lb. .24¼ - —
l.c.l., same basis..... lb. .25¼ - —
tanks, same basis..... lb. .22½ - —
Isoquinoline, dms., c.l., works .. lb. .20 - —
l.c.l., works ..... lb. .40 - —

J

Jaborandi leaves, bls..... lb. .15 - .20
Jalap root, NF, bls..... lb. .43 - .45
powd., bbls., bxs..... lb. .48 - .50
Resin, NF, powd., bxs..... lb. 6.20 - 6.60
Juniper berries, bgs..... lb. .08 - .12
Tar, dms. ..... lb. .40 - .65

K

Kamala, powd., ens..... lb. .60 - .65
Kaolin (see China clay).
Kava kava root, bls ..... lb. .38 - .39
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks.. gal. .08625 - —
Bayonne, 41-43 s.g., w.w., tanks. gal. .092 - —
California, 40-43 s.g., w.w., tanks..gal. .121 - .126
Gulf ports, 41-43 s.g., w.w., tanks, gal. .086 - .0925
Okla.-Tex., 41-43, s.g., w.w., tanks, gal. .085 - .09
Penn., Western, 45 s.g., w.w., tanks..gal. .0975 - .10
Kola nuts, ngs ..... lb. .08 - .10
Kyanite, imp., low iron content, 10-mesh, whse ton. 85.00 -95.00
calcined, grain, 10-mesh, whse ton. 95.00 -105.00

L

Lady slipper root, bls. ..... lb. 1.45 - 1.50
Lanolin, anhyd., cosmetic, dms., works lb. .30 - .32
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous ..... lb. .27 - .29
Lard, cash, trcs., Chicago..... lb. .1195 - —
Larkspur seed, bgs..... lb. .30 - .35
Laurel berries, bls ..... lb. .25 - .26
Leaves, Greek, bls..... lb. .08 - .08½
Turkish, bls. ..... lb. .11 - .11½
Yugoslavian, bls. ..... lb. .08½ - .09
Lauryl methacrylate, normal, dms., less than truckload, works.. lb. 1.00 - —
Lavender flowers, medium, bls.. lb. .55 - .60
ordinary, bls. ..... lb. .16 - .20
select, bls ..... lb. .60 - .65
Lead acetate, white, crystals, bbls., lb. .19 - —
gran., bbls. ..... lb. .19¾ - —
powd., bbls. ..... lb. .19¾ - —
USP, cryst., dms..... lb. .20 - —
gran., powd., dms..... lb. .20¾ - —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over.. lb. .25 - .27
t.c.l., frt. alld ..... lb. .26 - —
1-lb. bgs., c.l., frt. alld.. lb. .33 - .38
l.c.l., frt. alld..... lb. .34 - .39

Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East.

Blue, basic sulphate, bbls., c.l., ship't point, frt. alld.. lb. .12½ - —
l.c.l., works ..... lb. .13½ - —
Carbonate (see Lead, white).
Chloride, dms. ..... lb. .39 - —
Iodide, NF V, jars..... lb. 3.30 - —
Linoleate, liq., 13% Pb, dms., frt. alld lb. .29¼ - —
Metal, pigs, prime, N. Y..... lb. .1100 - —
St. Louis ..... lb. .1080 - —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .27½ - —
10,000-20,000 lbs., same basis .. lb. .28 - —
2,000-10,000 lbs., same basis. lb. .28½ - —
200 to 2,000 lbs., same basis lb. .29 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% pb, dms., dlvd.. lb. .15 - —
24% Pb, dms., dlvd..... lb. .20¼ - —
37% Pb, dms., dlvd..... lb. .26½ - —
Nitrate, bbls., c.l..... lb. .19 - —
t.c.l. ..... lb. .19¼ - —
Oleate, fused, bbls..... lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½ - —
60% PbO, dms., works.... lb. .28 - —
Peroxide, powd., tech., bbls.... lb. .38 - .39
Phthalate, dibasic, dms., works.. lb. .37½ - —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .13¾ - —
l.c.l., same basis..... lb. .14¾ - —
97% Pb_3O_4, bbls., c.l., same basis.. lb. .14 - —
l.c.l., same basis..... lb. .15 - —
98% Pb_3O_4, bbls., c.l., same basis.. lb. .14¼ - —
l.c.l., same basis..... lb. .15¼ - —
Resinate, precip., dms., dlvd.. lb. .25½ - —
Salicylate, normal, dms., works. lb. .41¾ - —
Silicate, bgs., t.c.l., ship't pt., frt. alld.. lb. .14¾ - —
Stearate, dibasic, dms., works lb. .30¼ - —
precip., bbls., c.l..... lb. .36 - —
ton lots ..... lb. .37 - —
less ton lots ..... lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works..... lb. .24¼ - —
Tallate, liquid, 16% Pb, dms. lb. .12½ - —
solid, 30% Pb, dms ..... lb. .19¼ - —
White, basic carbonate, bgs., c.l., ship't point, frt. alld.. lb. .14 - .14¾
l.c.l., same basis..... lb. .15 - .15¾
basic silicate, bgs., c.l., ship't point, frt. alld.. lb. .13¾ - .16¼
l.c.l., same basis..... lb. .14¾ - .17¼
basic sulphate, bgs., c.l., ship't point, frt. alld.. lb. .12½ - —
l.c.l., same basis..... lb. .13½ - —
Lemon peel, bls..... lb. .18 - .20
Leucine, dextro-laevo, dms., works lb 28.00 -35.00
Licorice extract, mass, cns..... lb. .40 - .45
powd., bbls. ..... lb. .55 - —
Root, bls ..... lb. .08 - .09
5-lb. bundles, cs..... lb. .40 - .45
powd., bbls ..... lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼ - .06½
Lime, agricultural, bgs., works... ton. 13.00 -13.50
Chemical quicksilme), lump, pebble, bulk, Adams, Mass. ton 10.00 - —
Annville, Pa. ..... ton. 10.50 - —
Bellefonte, Pa. ..... ton. 10.50 - —
Buffalo N. Y..... ton. 10.00 - —
Carey, Ohio ..... ton. 7.00 - —
Cedar Hallow, Pa..... ton. 10.50 - —
Farnams, Mass. ..... ton 14.00 - —
Gibsonburg, Ohio..... ton. 8.50 - —
Hannibal, Mo ..... ton. 7.50 - —
Keystone, Ala..... ton. 9.75 - —
Knoxville, Tenn..... ton. 9.75 - —
Limedale, Ark..... ton. 9.00 - —
Longview, Ala..... ton. 9.75 - —
Martinsburg, W. Va ton. 10.00 - —
Menominee, Mich..... ton. 8.00 - —

NOW AVAILABLE IN COMMERCIAL QUANTITIES!

Exchange

HESPERIDIN METHYL CHALCONE

(A water soluble "Vitamin P" Drug)

THE MANUFACTURING PHARMACIST now has available in one moderately priced material an infinitely soluble yet non-hygroscopic powder sufficiently stable for production of parenteral as well as peroral preparations.

TO THE PHYSICIAN it provides a quickly assimilated yet safe drug...a completely water soluble derivative of citrus hesperidin.

HESPERIDIN METHYL CHALCONE was developed by the Research Laboratories of The California Fruit Growers Exchange shortly after Szent-Gyorgyi's announcement of "Vitamin P."

CALIFORNIA FRUIT GROWERS EXCHANGE

PRODUCTS DEPARTMENT • ONTARIO, CALIFORNIA

400 West Madison Street, Chicago, Illinois 99 Hudson Street, New York City

SUPPLIED TO PHARMACEUTICAL FIRMS SERVING THE MEDICAL PROFESSION

Lime, Chemical—Methanol

Lime, chemical (quicklime), lump, pebble, bulk, Mitchell, Ind. ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 7.50 - —
Sherwood, Tenn. ton.10.00 - —
Sherwood, Wis. ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa ton.10.50 - —

Hydrated, paper bgs., Adams, Mass ton.11.50 - —
Annville, Pa ton.13.50 - —
Bellefonte, Pa ton.13.50 - —
Buffalo, N. Y. ton.13.50 - —
Carey Ohio ton 9.00 - —
Cedar Hollow, Pa. ton.13.50 - —
Engle, W Va. ton.13.00 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton 9.50 - —
Hannibal, Mo ton. 9.50 - —
Keystone, Ala ton.13.00 - —
Knoxville, Tenn. ton.12.25 - —
Limedale, Ark ton.10.50 - —
Longview Ala ton.13.00 - —
Manistique, Mich ton. 9.50 - —
Marblehead, Ohio. ton.10.50 - —
Mitchell, Ind. ton.10.00 - —
Petoskey Mich ton 10.00 - —
Port Island, Mich ton. 9.00 - —
Rapid City, S Dak. ton 12.00 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 9.00 - —
Sherwood, Tenn. ton.13.00 - —
Sherwood, Wis. ton 10.00 - —
Springfield Mo. ton. 9.00 - —
Woodyville, Ohio ton 8.50 - —
York, Pa ton 13.50 - —

Spray, paper bgs., Adams, Mass. ton.11.70 - —
Annville, Pa ton.13.50 - —
Bellefonte, Pa ton.13.50 - —
Carey Ohio ton.11.00 - —
Engle, W Va. ton.13.00 - —

Lime, spray, Farnams, Mass. ton.14.00 - —
Gibsonburg, Ohio ton.10.00 - —
Marblehead, Ohio ton.10.00 - —
Rockland, Me. ton.10.00 - —
Scioto, Ohio ton.10.00 - —
Woodville, Ohio ton.10.00 - —
York, Pa ton.13.50 - —

Lime salts (see Calcium).

Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).

Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose lb. 5.45 - 5.70
ex lignaloe wood lb. 6.50 - 7.10
Linalyl acetate, 90-92%, bots lb. 5.50 - 5.80
96-98%, bots. lb. 6.35 - 6.85
ex petitgrain, bots lb 4.25 - 6.00
Lindane, 25%, cns., works lb. 3.00 - 3.05
dms., works. lb. 2.95 —
Linden flowers with leaves, bls. lb. .22 - .25
without leaves, bls lb. .22 - .28
Linseed meal, expeller, 34% bulk, Midwest mills ton.57.50 -58.50
extracted, 34%, same basis ton.61.50 -62.50
Litharge, com'l, powd. bbls., c.l., ship't point, frt. alld lb. .12¾- —
l.c.l., same basis lb. .13¾- —
Lithium benzoate, dms. lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 1.90 - —
Carbonate, NF, bbls., kgs lb 1.10 - 1.15
Chloride, cryst., dms lb. .93 - —
Citrate, NF, bbls., dms., kgs lb. 1.25 - 1.40
Fluoride bbls lb. 1.80 - 2.00
Hydride, dms., works lb.14.00 -18.50
Hydroxide, dms. lb. 1.00 - 1.25
Salicylate, dms. lb 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .06½- —
l.c.l., dlvd. lb. .07¼- .07½
Titanated (high-strength), bgs., c.l., dlvd lb. .08½- —
l.c.l., dlvd. lb. .09½- —
Lithopone prices, Pacific Coast, lc. per lb. higher.
Liverwort leaves, bls lb. .70 - .75
Lobelia herb, bls lb. .80 - .85
leaves, NF lb. .85 - .90
Lobeline sulphate, bots., works oz.34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l. lb. .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. 44¾- 45¼
Lovage root, imported, bls lb. 1.00 - 1.10
Lupulin, tins lb 1.95 2.00
Lycopodium, cs. lb. 1.20 - 1.50
Lysine hydrochloride, dextro-laevo. kilo.145.00 -149.00

M

Mace, Amboyna, bls lb. .73 - .74
Banda, No. 1, bls lb. 1.65 Nom.
Siauw, No. 1, bbls lb. .87 - .88
West Indian, bls lb. .81 - .82
broken, bls lb. .75 - .76
Madder Dutch, bgs lb. .29 - .35
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - .31
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars lb. .90 - 2.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld lb .11¾- —
bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld lb. .12¼- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld lb .13½- —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt. equald. with N Y C on all other destinations.

Chloride, anhyd., dms., works lb .12¼- —
flake, bbls c.l., works ton.40.00 —
l.c.l. works ton.44.00 .46.00
Gluconate, dms., cns lb. 1.88 - 1.93
Glycerophosphate dms works lb 4.85 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms lb. 1.60 —
Laurate bbls lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .20½- —
sticks, cs., works lb. .34 - .38
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia, calcined)
Peroxide 15% dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride bbls., works lb. .09 - .10
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms. 1,000-lb. lots lb. .43 - —
100-lb. lots lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton.67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash ton.33.00 - —
Maleic annydride, dms., c.l., dlvd., lb. .30 - —
l.c.l., dlvd. lb. .31 - —
Prices on maleic annydride West of Rockies 1½c. higher
Malva flowers, black, bls lb. .60 - 1.25
Blue, bls. lb. .85 - 1.10
Leaves, bls. lb. .30 - .35
Mandrake root, bls lb. .36 - .40
Manganese acetate, bbls. lb. .12 - —
Arsenate, bgs lb. .12 - .12½
Borate, tech., bbls lb .23 - —
Carbonate, bbls., works lb. .21 - —
Chloride, anhyd., dms works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works ton.78.00 —
smaller lots, works ton.74.00 -94.00
Gluconate, dms., cns lb. 1.86 - 1.93
Glycerophosphate NF 6b dms lb 4.15 4.25
Hydrate, bbls., works lb. .14 - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs., dlvd, East lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. and up. .22¾ - .23¼
Oleate, precip, bbls lb. .21½- —
Resinate, fused, 3½% Mn, cms. precip., dms lb. .21½- —
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd, S. E ton.63.00 - —
l.c.l., dlvd, S. E ton.70.00 - —
feed grade, 80%, bgs., dlvd., S. E lb. .05¼- .07
75% bgs., c.l., dlvd, S. E ton.72.50 - —
l.c.l., dlvd, S E ton.79.50 - —
Tallate, liquid, 4% Mn, dms lb. No prices.
solid, 8% Mn, dms lb. No prices.
Mangrove bark, E. Africa, 28% tan min, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock ton.62.00 -63.00
Manna, flake, large, cs lb. 1.10 - 1.35
small, cs lb. .85 - 1.00
Mannitol, com'l, dms., works lb. .40 - .43
reagent, 50-lb. dms., works lb. .85 - —
Marjoram, Argentine, bls lb. .14 Nom.
Bohemian, bls. lb. .38 - .39½
Chilean, bls. lb. .34 - .34½
French, bls. lb. .43 - .43½
Peruvian, bls. lb. .33 - .38
Matico leaves, bls lb. .25 - .33
Melamine, bgs., ton lots, works lb. .33 - —
500 lbs. or more, works lb. .33½- —
less 500 lbs., works lb. .38½- —
Menadione, USP, bots gram. .06½- —
Menthol, natural, USP, bots lb.11.40 -11.50
synthetic, USP, racemic, cns lb 7.25 Nom.
Menthyl salicylate, tins lb 4.00 - 4.25
Mercaptobenzo thiazole, bgs., lb. dms., ton lots, works, frt. alld lb. .30 - —
less ton lots, same basis lb. .32 - —
Mercaptobenzothiazyldisulphide, bgs., lb. dms., ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate)
Bisulphate, dms. lb. 2.13 - 2.15
Chloride (see Calomel)
Cyanide, NF, cryst., powd., lb. dms lb. 3.27 - 3.32
Iodide, red, NF, dms lb. 4.07 - —
yellow, NF, lb. dms lb. 4.22 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate)
yellow, tech. (see Yellow mercury oxide).
USP, lb. dms. lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Metaldehyde, dms., works lb. .78 - 1.00
Metachloramin, dms., works lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .56 - —
Metaparaisopropylphenol, dms., c.l. lb. .21 - —
l.c.l. lb. .22 - —
tanks lb. .20 - —
Metanitroparatoluidin, bbls lb. 1.28 - —
Metaphenylenediamine, kgs lb. .76 - —
Metatoluidine, bbls., works lb. .80 - —
Metatolylenediamine, kgs lb. .85 - —
Methanol, natural, denaturing grade, dms., c.l., frt. alld. gal. .58 - —
l.c.l., frt. alld. gal. .69 - —
tanks, frt. alld gal. .56 - —
Prices on natural methanol 1¢ at Miss. R. higher.
synthetic, zone 1, dms, c.l., frt. alld gal. .38 - —
l.c.l., frt. alld. gal. .41 - —
tanks, frt. alld. gal. .26 - —

For Sale or Lease a DISTILLERY
at Kansas City, Missouri

Suitable for Manufacturing and Warehousing on Multiple Tenancy Basis. Has Possibilities for Commercial Development. Situated in an Industrial Area of Kansas City, Missouri.

The property offered for sale hereunder known as Plancor 1642—(A-Mo-401). The principal entrance to property is at 2100 East Front Street, Kansas City, Missouri. This plant was built for large-scale production of grain alcohol and residuals, such as animal (stock) feeds. It has been used to manufacture potato flour. The layout is such that a syndicate or single purchaser could set up grain storage or feed processing operations and sell or lease other areas, buildings or floor space, for such purposes as a machine shop, assembly plant and other manufacturing as well as commercial purposes.

The property consists of 14.9 acres of improved land and ten modern buildings of steel and concrete construction with a total floor area of about 96,000 square feet which includes the mills and Elevator Buildings, Grain Processing, Distillation and Denaturing Buildings, Alcohol Storage Tank, Evaporator Building and Dry House. A cluster of eight silos are available for grain storage with a total capacity of approximately 80,000 bushels.

Machinery and Equipment include residual production machinery. After a partial cannibalization of this plant, there remains many items useable for the production of alcohol, other chemicals and feed and grain processing.

Utilities: Ample water is supplied from five wells, the river and city system; sewer is connected to the river; natural gas, steam and electric service supplied by public utilities.

Transportation Facilities: —consist of three sidings from the Missouri Pacific, Kansas City Southern, and Milwaukee Railroads; truck access is by city streets, and barge transportation on Missouri River is available from nearby docks.

BASIS OF OFFERINGS

This facility is offered for sale on A WHERE AS IS CONDITION without restrictions to its use.

Proposals may offer:

1. To purchase the entire property — land, buildings, machinery and equipment;
2. To purchase the land and buildings, less machinery and equipment; or
3. To purchase the machinery and equipment for removal (on a WHERE IS AS IS CONDITION).

Sealed Bids: — Proposals will be received until 2:00 p.m., C.S.T., July 25, 1950, at Liquidation Service, General Services Administration, Troost Avenue at Bannister Road (95th Street), P. O. Box 7113, Country Club Station, Kansas City, Missouri.

Information and Instructions to Bidders: — When writing or telephoning for information please refer to Plancor 1642 (A-Mo-401); inquiries should be directed to the Kansas City Regional Office.

Inspection of Property may be arranged directly with the Kansas City Office.

Real Property Disposal Division, Liquidation Service

GENERAL SERVICES ADMINISTRATION

Troost Avenue at Bannister Road (95th Street) Kansas City, Mo.

P. O. Box 7113, Country Club Station — Telephone DELMAR 3500 **KC—474**

Methanol, synthetic, zone 2, dms., c.l., frt. alld. gal. .43½- .45
l.c.l., ex whse. gal. .47½- —
tanks, frt. alld. gal. .29½- .31

Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine).

Methionine, dextro-laevo, fib. dms., frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98%, same basis, lb. 3.00 - —
97%, same basis lb. 2.97 - —

Methoxychlor, 50% sol., dealers, dms., cs., works lb. .85 - —

Methyl abietate, non-ret. dms., c.l., divd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½- —
hydrogenated, non-ret. dms., c.l., divd., zone 1 lb. .17½- —
l.c.l., same basis lb. .17¾- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetoacetate, dms., c.l., divd. lb. .53 - —
l.c.l., divd. lb. .54 - —
tanks, divd. lb. .51½- —

Methyl acetoacetate prices frt. alld. W., 4c. higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld. gal. .60 - —
l.c.l., same basis gal. 71 - —

Natural methyl acetone group A prices W. of Miss 3c per gal higher.

Group B dms., incl., E. Miss., frt. alld., any quantity gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W gal. .57 - —
l.c.l., works, frt. alld. E gal. .56½- —
frt. alld. W gal. .60½- —
tanks, works, frt. alld. E gal. .43½- —
frt. alld. W gal. .47 —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½- —
Alcohol (see Methanol).
Anthranilate, 100 lbs. or more lb. 2.10 - 2.90
extra lb. 4.00 - 4.40
Benzoate, cns. lb. .55 - 1.20
Bromide, dealers, cns. lb. .69 - .71
cyls. lb. .60 - .72
Chloride, indust., cyls., works lb. .17 - —
tanks, multi-unit works lb. .13 - —
single-unit works lb. .10½- .11
refrigerator mfrs. cyls., divd lb. .39 - .43
other consumers or service men, cyls., divd. lb. .49 - —
Cinnamate, cns. lb. 1.43 - 1.75
Cyclohexanol, dms., c.l., works lb. .25½- —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Formate, refd., dms. lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .03 - —
tanks, works lb. .07 - —
Iodide, bots., works lb. 3.65 - 4.75
cbys., works lb. 2.80 - 3.00
Lactate, dms., t.c.l., works lb. .35 - —
Methacrylate, dms., c.l. and truckload, works lb. .44½- —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Roseanilin chloride, USP, bot. lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs lb. .42 - —
cans, 25-50 lbs lb. .47 - .50
Testosterone, USP, 100 gms. gm. 3.50 - —
Methylheptin carbonate, bots. lb. 35.00 - 58.00
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., divd. lb. .13½- —
l.c.l., divd. lb. .14¼- —
tanks, divd. lb. .11 - —
Ketone, dms., works lb. .95 - —
Methylcellulose special vis., 4,000 cps., fib. cns., c.l., works, lb. .68 - —
2,000 lbs and more, same basis lb. .70 - —
smaller lots frt. alld. on 100 lbs. lb. .75 - .87
standard vis., 15-1,500 cps., fib. cns., c.l., frt. alld. lb. .61 - —
2,000 lbs and more, same basis lb. .63 - —
smaller lots frt. alld. on 100 lbs. lb. .68 - .70
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 2.87 - —
smaller lots, kgs., same basis lb 3.02 - 3.22
Chloride indust, dms., c.l., divd. E lb. .12 -
t.c.l., divd E lb. .13½- —
tanks divd E lb. .11½- —
Methylethyl ketone, dms., c.l., divd. lb. .10¾- —
l.c.l., divd. lb. .11¾- —
tanks, divd. lb. .09 - —
Methylionone, A, cns. lb 6.55 - 8.80
D, cns lb 7.50 - 9.55
prime, cns lb 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., divd. lb. .12¾- —
l.c.l., divd. lb. .13¾- —
tanks, divd. lb. .11 - —
Methylnaphthyl ketone, cns. lb 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexylene glycol)
Methylphenylpyrazolone, dms., divd. lb. 1.40 - 1.45
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .02⅞- —
roofing, 20 to 80 mesh, works lb. .02¾- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
t.c.l., ex whse., or frt. alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾- —
t.c.l., ex whse. or frt. alld. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
t.c.l., ex whse. or frt. alld. E lb. .08 —
rubber, bgs., c.l., works, frt. alld. E lb. .07 —
t.c.l., ex whse or frt. alld. E lb. .[illegible] —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
t.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra fine, bgs., c.l., works, frt alld. E lb. .07¼- —
t.c.l., ex whse. or frt. alld. E lb. .08 - —

Mica, wet-grd., W. of Miss. R., ½c. higher, W. of Rockies, 1c. higher

Milk powder, skimmed, roller, bbls., c.l lb. .10½- .10⅝
spray, bbls., c.l. lb. .12¼- .12⅝
Whole, roller, bbls., c.l. lb. .28 - .33
spray, bbls., c.l. lb. .28½- .35½
Sugar, crude, bgs., c.l., works lb. .16½- —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾- —
200-1,800-lb. lots lb. .23¼- —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾- —
200-1,800-lb. lots lb. .27¼- —
Molasses, blackstrap, tanks gal. .12 - —
New Orleans, tanks gal. .11 - —
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 99% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., frt. alld. as divd. lb. .08½- —
l.c.l., same basis lb. .09½- —
tanks, same basis lb. .07 - —
Monochlorobenzene prices in the West, 1¾c. higher.
Monoethanolamine, dms., c.l., frt. alld. E lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25½- —
Monoethylamine, dms., c.l., frt. alld. basis 100% lb. .21¾- —
l.c.l., same basis lb. .22¾- —
tanks, same basis lb. .20 - —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .35 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns. oz. 12.40 - 12.60
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - 9.90
Hydrochloride, NF, cns oz. 9.90 10.00
Sulphate, USP, cns oz. 9.90 - 10.00
Morpholine, dms., c.l., works lb. .60½- —
l.c.l., works lb. .61 - —
tanks, works lb. .59 - —
Mountain ash berries, bgs lb. .65 - .75
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .16 - .18
Musk, natural, Tonquin, grains, bots. oz. 25.00 - 30.00
synthetic—Ambrette, 100 lbs lb 5.40 - —
25 lbs. lb 5.50 - —
5 lbs. lb 5.65 - —
Ketone, 100 lbs lb 4.95 - —
25 lbs. lb 5.05 - —
5 lbs. lb 5.20 - —
Xylol, 100 lbs lb 1.40 - —
25 lbs. lb 1.45 - —
5 lbs. lb 1.55 - —
Musk root, bls. lb No prices.

Methanol, Synthetic, Zone 2—Naphthalene

Mustard seed, Calif., brown, f.o.b. source lb. .07¼- .07½
Danish, bgs., futures lb. .11¾- .12
Dutch, yellow, bgs., futures lb. .12 - .12½
English, yellow, bgs. lb. .11 - .13
Montana, brown, Sept.-Oct., bgs., source lb. .05 - .05½
Oriental, Sept.-Oct., bgs., source lb. .05 - .05¼
yellow, Sept. Oct., bgs. source lb. .08½- .09
Washington, yellow, source, bgs. lb. .11 - .11½
Myrobalans, J1, assorted, ex dock ton 52.00 - —
crushed, ex dock ton 76.50 - —
J2, ex dock ton 42.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M & P.)
Solvent (see S).
Naphthalene, dom., crude, 74° bgs., bbls., frt. equald lb. .07 - —
tanks, same basis lb. .0425- —
78°, bgs., c.l., works, frt. equald lb. .0535- —
t.c.l., same basis lb. .0560- —
bbls., c.l., same basis lb. .0535- —
t.c.l., same basis lb. .0560- —
dms., c.l., same basis lb. .0650- —
t.c.l., same basis lb. .07 - —
tanks, same basis lb. .0475- —
refined, industrial, bbls., c.l., frt. equald lb. .09 - —
bgs., c.l., same basis lb. .08½- —
tanks same basis lb. .08 - —

From SHELL CHEMICAL

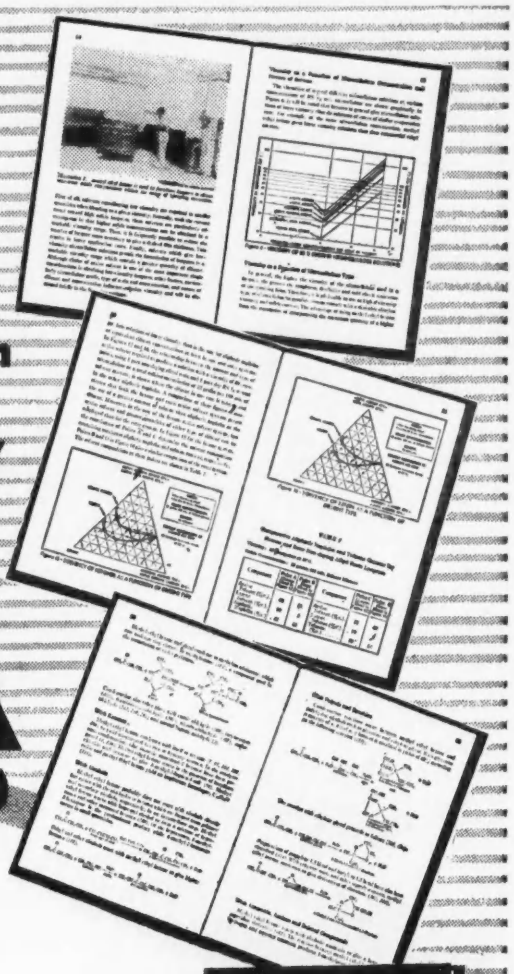
NEW!

Important technical book on

MEK

(methyl ethyl ketone)

. . . a comprehensive review of its characteristics and commercial uses



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Naphthalene, Refined—Oil, Lavandin

Naphthalene, refined, industrial, balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .11 - —
cs., 50 lbs., c.l., same basis lb. .11¼- —
1-lb. pkgs., c.l., same basis lb. .14 - —
imported, crude, 78°, 100-ton lots lb. .03¼- —
refined, 30,000-lb. lots lb. .09¼- —
smaller lots lb. .09¼- .10½
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 7.35
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton.14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton.18.25 - —
Nepheline syenite in ngs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.05 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd. lb. .52½- .53½
Carbonate, bbls., dlvd. lb. .57¼- .57¾
Chloride, bbls., dlvd. lb. .27 - .27½
Cyanide, bots., dms. lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .49¾- .50¾
Metal, electro cathodes, cs. lb. .48 - —
Nitrate, bbls., works lb. .26½- .27½
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd. lb. .20 - —
l.c.l., dlvd lb. .20½- —
Nicotinamide, USP, dms., frt. adjusted kilo 11.00 -11.30
Hydrochloride, dms., frt. adjusted kilo.10.50 -10.80

Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs., dm.49.40 - —
tins, 10 lbs., dealers, frt. alld. on cases of 6 tin.10.85 - —
Nikethamide, bots., cbys. lb. 5.50 - 6.60
Nitercake, bulk, works ton. No stocks.
Nitrobenzene, obl. dist., dms., c.l lb. .09 - .09½
l.c.l. lb. .10 - .11
tanks lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb. .28 - —
l.c.l., same basis lb. .29 - .31
18-25 cps., 250-400 sec., and 600-1,000 secs., bbls., c.l., same basis lb. .30 - —
l.c.l., same basis lb. .31 - .33
spirit-soluble, 30-35 cps, ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - .35
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., works lb. .30 - —
Nitrogen solution, tanks, work., N. ton.115.00 - —
Nitrogenous process tankage, bulk, works, ammo., ship't. unit-ton. 3.90 - 4.00
Sewage sludge, bulk, works, unit ton. 3.25 + .40
Nitromethane, dms., l.c.l., works lb. .30 - —
Nitropropane, 1, dms., works lb. .30 - —
2, dms., works lb. .30 - —
Nonylphenol, dms., c.l., works lb. .26 - —
l.c.l., works lb. .27 - —
tanks, works lb. .25 - —

Nutgalls, Aleppo, bgs. lb. .38 - —
Chinese, bgs. lb. .32 - —
Istrian, bgs. lb. .31 - —
Nutmeg, East Indian, broken, limed, bgs. lb. .43 - .45½
whole, shrivels, bgs lb. .45½- .46
110's, cs. lb. .47 - .48
shipment, cs. lb. .46 - .46½
West Indian, bgs. lb. .34 - .35
futures lb. .37 - .38
Nux vomica, bls. lb. .10 - .12
powdered, bbls., bxs. lb. .13 - .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½- —
10°C., b.r. Bayonne, N.J., tanks gal. .16½- —
Octanol, normal, tech., dms., c.l., dlvd. lb. .34½- —
l.c.l., dlvd lb. .36½- —
tanks, dlvd lb. .32 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —
Oil, abies siberica, cns. lb. 2.35 - 3.25
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots. lb. 3.25 - 3.00
NF, bots. lb. 3.50 - 3.65
sweet, dms., cns. lb. .55 - .85
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.65 - 1.70
Angelica root, bots. lb.110.00 -190.00
Seed, bots. lb.100.00 - —
Anilin (see A).
Anise, USP, Chinese, dms. lb. .95 - 1.30
Oil, apricot kernels, USP, dms. lb. .42½- .58
Avocado, cns., dms. lb. 1.00 1.10
Babassu, crude, tankcars lb. .15¾- —
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.05 - 1.50
55-60%, cns. lb. 1.20 - 1.50
West Indian, 50-55%, cns., dms. lb. 1.12 - 1.15
Bergamot, artif., cns. lb. 1.50 - 3.50
natural, NF, Italian, cns. lb. 4.30 - 4.75
Birchtar, crude, cns. lb. .80 - 1.76
rectified, NF, cns lb. 3.95 - 4.25
Bois de rose, Brazil lb. 3.50 - 3.90
Mexican (see Oil, lignaloe wood).
Bone, dms., works gal. .65 - .70
Cajeput, tech., dms. lb. 1.85 - 1.95
redistilled, USP, cns. lb. 2.35 - 4.50
Calamus, cns lb.20.00 -28.00
Camphor, sassafrassy, dms. lb. .20 - .60
white, dms. lb. .23 - .60
Cananga, native, cns. lb. 4.50 - 4.80
rectified, cns. lb. 5.10 - 6.00
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns. lb. 3.15 - 4.00
Cardamom, NF, bots. lb.50.00 -63.00
Cassia, USP, cns. lb. 2.50 - 2.85
Castor, blown, dms., c.l. lb. .21¼- —
dms., l.c.l. lb. .21¾- —
dehydrated, bodied, dms., c.l lb. .23 - —
l.c.l. lb. .23½- —
tanks lb. .22 - —
unbodied, dms., c.l. lb. .22 - —
l.c.l. lb. .22½- —
tanks lb. .21 - —
hydrogenated, dms., c.l., works. lb. .27 - —
l.c.l., same basis lb. .28 - —
No. 3, tech., dms., c.l. lb. .18 - —
l.c.l. lb. .18½- —
tanks lb. .17 - —
sulphonated, 50% (48% fat), dms. lb. .12 - .14
75% (60-62% fat), dms lb. .15¾- .16¾
tech., No. 1, Brazilian, tanks. lb. .16 - .16¼
USP, standard, dms., c.l. lb. .19¼- —
l.c.l. lb. .19¾- —
tanks lb. .18¼- —
refined and deodorized, dms., c.l. lb. .20¾- —
l.c.l. lb. .21¼- —
Cedarleaf, dms. lb. 1.85 - 2.05
Cedarwood, cns. lb. .45 - .55
dms. lb. .32 - .50
Celeryseed, bots. lb.14.00 -17.50
Chaulmoogra, NF, cns., dms. lb. .55 - 70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots. lb.20.00 -60.00
Leaf, Ceylon lb. 1.35 - 1.50
Citronella, Ceylon, cns. lb. 1.07 - 1.50
Java-type, cns. lb. 1.65 - 1.85
Clove, USP from buds, cns., dms. lb. 1.65 - 1.95
Coconut, crude, tanks, Atlantic ports lb. .13½- —
Pac. Coast lb. .13¾- —
refined, Cochin type, tax incl., dms., l.c.l lb. .20¾- —
deodorized, tax incl., dms., l.c.l lb. .23 - —
Cod, Newfoundland, dms. lb. .08 - .09
Codliver, USP, dms gal. 1.40 - 1.55
Coriander, USP, bots lb.19.00 -25.00
Corn, crude, tanks, works lb. .14 - —
foots, acid, 95%, tanks, dlvd. E lb. .06 - —
raw, 50%, tanks, dlvd. E lb. .02 - —
refined, dms., New York lb. .18¼- .18¾
tanks, same basis lb. .17 - —
Costus, bots. oz.19.00 - —
Cottonseed, crude, tanks, Southeast and Valley lb. .13⅜- —
foots, acid 95%, tanks, dlvd. E lb. .04½- —
raw, 50%, tanks, dlvd. E lb. .02 - —
refined, dms lb. .18½- .19
tankcars lb. .17¼- —
Creosote (see Creosote, coaltar)
Croton, cns lb. 4.75 - 5.50
Crude (see Petroleum, crude
Cubeb, cns lb. 6.00 - 7.50
Cumin, bots. lb. 4.25 - 4.50
Cypress, bots. lb.11.00 -15.00
Degras (see D).
Dillseed, bots lb. 7.00 - 9.50
Dillweed, bots., dms lb. 5.25 - 6.50
Dip (see D).
Erigeron, cns lb. 5.00 - 5.25
Eucalyptus, rectified, 80-90%, cns. lb. .67 - .98
70-80%, cns. lb. .55 - .83
Fennel, USP, cns lb. 2.50 - 3.25
Fir, Canada, cns lb. 1.75 - 2.05
Fishliver, crude, for feeds for concentrating, 6,000 to 12,000 A units, dms 1,000,000 units. 10 - .11
15,000 to 20,000 A units, dms. 1,000,000 units. .11 - .12
25,000 to 35,000 A units, dms. 1,000,000 units. .12½- .13½
40,000 to 55,000 A units, dms. 1,000,000 units. .14 - .16
Market prices on crude fishliver oil dependent upon conversion factor.
prime, natural, or concentrate, 100,000 A units, dms., 1,000,000 units. .1674- —
200,000 A units, dms 1,000,000 units. .1767- —
300,000 A units, dms 1,000,000 units. .1900- —
400,000 A units, dms 1,000,000 units. .2090- —
500,000 A units, dms 1,000,000 units. .2185- —
700,000 A units, dms 1,000,000 units. .2280- —
Prices above are based on the USP XIII method of conversion, E x 1894.
100,000 A units, dms 1,000,000 units. .18 - —
200,000 A units, dms 1,000,000 units. .19 - —
300,000 A units, dms 1,000,000 units. .20 - —
400,000 A units, dms 1,000,000 units. .22 - —
500,000 A units, dms 1,000,000 units. .23 - —
700,000 A units, dms 1,000,000 units. .24 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots. oz. 7.50 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb.16.00 -19.00
Bourbon, cns. lb.19.50 -22.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots. lb.21.00 -23.50
Grapefruit lb. .75 - .90
Grease, No. 1, dms. lb. .09¾- .10¼
extra, Winter, strained, dms lb. .11 - .11½
prime, burning, dms. lb. .12 - .12¼
Guaiacwood, cns. lb. 1.75 - 1.90
Hemlock, cns. lb. 1.80 - 2.10
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots lb. 3.10 - 3.25
twice rectified lb. 3.75 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns. lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots. lb. 9.75 -12.50
Lavandin, cns. lb. 1.30 - 1.85

Have you tried these cellulose derivatives from Du Pont?

solvent-soluble
NITROCELLULOSE

Fast dissolving—Du Pont Nitrocellulose makes up into unusually clear solutions at a very fast rate, and thus speeds the production of lacquers and adhesives, and coatings for paper and fabrics. Dependable, too—each grade of Du Pont Nitrocellulose has a constant viscosity and nitrogen content.

Du Pont Nitrocellulose can be supplied in any commercial quantity.

water-soluble
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Used in a wide variety of aqueous systems, Du Pont Sodium CMC serves as a dispersing and suspending agent, thickener, sizing agent or protective film . . . and at low cost. For example, Sodium CMC is widely used to improve the scouring properties of soaps and synthetic detergents.

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CANADIAN SALES AGENTS—CHEMICAL DEPARTMENT
CANADIAN INDUSTRIES LIMITED, MONTREAL, CANADA

Oil, lavender flower, French, 30-32% ester, cns. lb. 2.15 - 3.25
38-42% ester, cns. lb. 3.25 - 4.10
40-42% ester, cns. lb. 3.80 - 4.75
Spike, Spanish, cns. lb. 1.10 - 1.40
Lemon, USP, Calif., cns. lb. 2.85 - 3.50
Messina lb. 2.95 - 5.75
terpeneless, bots. lb. 32.00 -65.00
Lemongrass, cns., dms. lb. 1.75 - 2.30
Lignaloe, Brazilian (see Oil, bois de rose).
wood, Mexican, cns. lb. 3.50 - —
Lime, distilled, Mexican, cns. lb. 6.00 - 7.00
West Indian, cns. lb. 6.50 - 7.25
expressed, West Indian, cns. lb. 11.25 -13.50
terpeneless bot. lb. 45.00 -65.00
Linseed, raw, dms., c.l., Zone 3. lb. .1890- .1910
l.c.l. lb. .1970- .2010
tankcars lb. .1770- .1790
tankwagon lb. .1800- .1820
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms. lb. 3.25 - 4.00
Mandarin, Floridian, dms. lb. 1.60 - 1.75
Italian, cns. lb. 3.95 - 8.50
Menhaden, crude, tanks, Balto. lb. .06 Nom.
refined, alkali, dms. lb. .1330- —
kettle-bodied, dms. lb. .1480- —
light-pressed, dms. lb. .1230- —
tanks lb. .1050- —
Mineral, white (see Oil, white, mineral)
Mirbane (see Nitrobenzene)
Mustard seed, expressed, dms lb. .22½- .23
synthetic, cns., dms lb. 1.40 1.70
Neatsfoot, 15°, dms. lb. .23 - .23½
20°, dms. lb. .27 - .27½
30°, dms. lb. .25 - .26
Neroli, NF, French, bots. lb. 145.00 -195.00
Haitian, bots lb. 85.00 -90.00
Niaouli, cns. lb. 2.15 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms. lb. 3.10 - 3.55
West Indian, cns., dms. lb. 3.35 - 3.50
Ocotea cymbarum, dms. lb. .67 - .95
Oiticica, liquid, drums. lb. .19½- .20
tankcars lb. .18½- —
Oleo, extra, dms. lb. .13 - —
Olibanum, bots. lb. 5.50 - 7.65
extra fine, bots lb. 6.25 - 8.50
Olive, commercial, dms. gal. 1.65 - 1.75
edible, dms., duty paid gal. 1.90 - 2.10
foots, dms lb. .12½- .13
Orange, sweet, dist., cns lb. .25 - .60
expressed, USP, Brazilian, cns., dms lb. .95 - 1.25
Calif., cns. lb. .60 - 1.00
Florida, cns., dms lb. .40 - 1.00
Messina, coppers lb. 2.35 - 5.50
West Indian, cns. lb. 2.00 - 2.50
sesquiterpeneless, bots. lb. 55.00 -95.00
Origanum, Spanish, cs lb. 2.25 - 2.75
Palm, Congo, dms. lb. .1355- —
tankcars lb. No stocks.
Palmarosa, cns. lb. 7.25 - 8.00
Palmkernel, crude, bulk, c.l., N.Y. lb. No prices.
Paraffin, pale, 100-110 vis. at 100° F, tanks, East Coast refinery gal. 11½ —
Patchouli, dms lb. 22.00 -24.00
Peach kernel USP (see Oil, apricot kernel)
Peanut, crude, tanks, Southeast lb. .14 - .14¼
refined, dms. lb. .18 - .18¼
tanks, New York lb. .17 - —
Pennyroyal, USP, dom., cns lb. No stocks.
imported, cns. lb. 4.25 - 4.75
Peppermint, natural, dms. lb. 6.15 - 7.25
redist., USP, dms lb. 6.50 - 7.65
Persic, USP (see Oil, apricot kernel)
Perilla, crude, dms. lb. No stocks.
Petitgrain, Paraguay, cns. lb. 1.35 - 2.40
Pimento berry, NF, dms. lb. 3.35 - 5.35
leaf, cns. lb. 1.35 - 1.70
Pine, dest.-dist., dms., incl., c.l., works, South. gal. .60 - —
l.c.l., works, South. gal. .61 - —
ex whse., N. Y. C. gal. .72 - —
steam-dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N.Y.C. lb. .107 - —
Pineneedle, Siberian (See Oil, abies siberica).
Pitch, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10 - —
Rapeseed, tankcars lb. .15¼- —
Red, saponified, dms. lb. .12½- .13½
tanks lb. .11 - —
single dist., dms. lb. .13¼- .14¼
tanks lb. .11¾- —
double dist., dms. lb. .15¾- .16¾
tanks lb. .14½- —
Rice bran, clarif., dms. lb. .14 - .14½
tanks lb. .12½- .13¼
Rose, natural, Bulgarian, bots oz. 23.00 -56.00
Rosemary, Spanish, tech., cns., dms. lb. .80 - 1.50
USP, cns., dms. lb. .92 - 1.30
Rue, bots lb. 2.75 - 3.50
Safflower, dms., l.c.l. lb. .1325- —
tanks lb. .1350 Nom.
Sage, clary, bots. lb. 13.00 -22.00
Dalmatian, cns. lb. 6.50 - 7.00
Spanish, cns. lb. 1.00 - 2.10
Sandalwood, NF, cns. lb. 11.50 -12.50
Sardine, crude, tanks, Pac. coast. lb. .06½- —
refined, alkali, dms. lb. .1330- —
kettle-bodied, dms. lb. .1480- —
light-pressed, dms. lb. .1230- —
tanks lb. .1050- —
Sassafras, artificial lb. .53 - .78
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms. lb. 1.90 - 2.30
Savin, cns lb. 2.75 - 3.00
Savory, cns lb. 8.00 —
Seal, 2% acid duty extra, dms lb. No stocks.
Sesame, ref., dms., l.c.l. lb. .31 - —
Shingle stain, bbls., c.l., works, gal. .27 - —
l.c.l., works gal. .30 - —
tanks, works gal. .19 - —
Snakeroot, Canada, cns. lb. 19.25 -25.00
Soybean, crude, tanks, bills. lb. .12¼- —
foots, acid, 95%, tanks, dlvd. E. lb. .07 - —
raw, 50%, tanks, dlvd. E. lb. .03 - —
refined, alkali, dms., c.l. lb. .1635- —
l.c.l. lb. .1695- .1735
tanks lb. .1515- —
clarified, dms., c.l. lb. .1540- —
l.c.l. lb. .1605- .1665
tanks lb. .1425- —
edible, dms. lb. .16¼- .16¾
tanks lb. .15 - —
Spearmint, USP, dms. lb. 3.25 - 3.40
Sperm, bleached, winter, 45°, dms. lb. .1520- .1570
tankcars lb. .1420- —
natural, winter, 45°, dms. lb. .14 - .1470
tankcars lb. .13 -
Spruce, cns., dms. lb. 1.80 - 2.10
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, USP, Northern, cns. lb. 4.75 - 8.00
Southern, cns. lb. 2.05 - 3.75
Tall, crude, tanks, works ton. 40.00 - —
refined, dms. c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
tanks, works lb. .05 - —
Tallow, acidless, dms. lb. .10 - .10½
Tansy, dms lb. 8.10 - 9.00
Tar, pine, coml, dms., incl., c.l., works, South lb. .045 - —
l.c.l., works, South lb. .0473- —
whse., N.Y.C. lb. .0595- —
tanks, works, South lb. .035 - —
rectified, cns., c.l., dms., incl. works, South gal. .80 - —
Tar acid (see T).

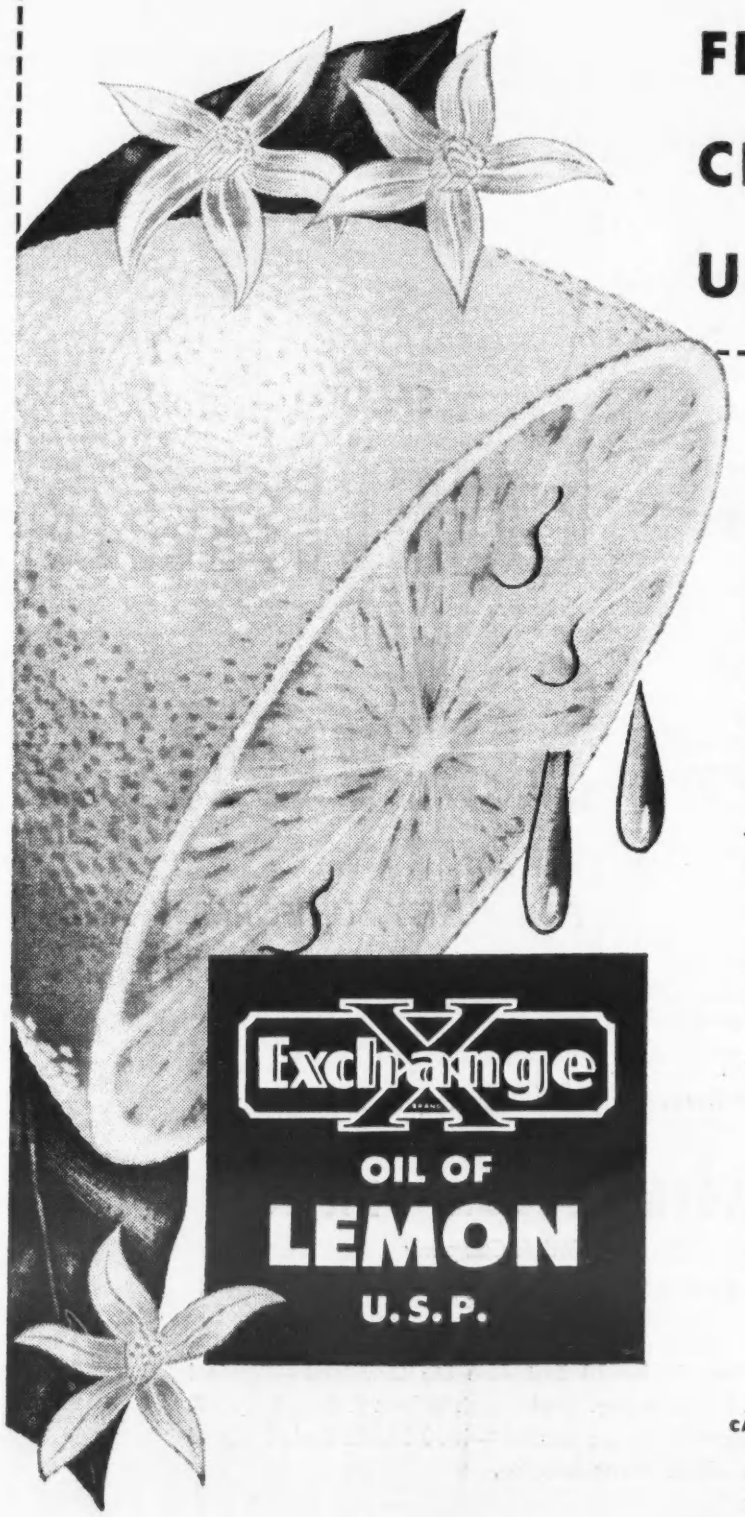
Oil, teaseed, dms. lb. No stocks.
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms. lb. 1.65 - 2.10
white, cns lb. 1.85 - 2.35
technical, white, cns lb. .40 5.00
Tung, dom., tanks, mills lb. .24 Nom.
imported, dms., c.l. lb. .24¾- —
l.c.l. lb. .25½- —
tanks lb. .23¾- .24
Turkey red (see Oil, castor, sulphonated)
Turpentine, rectified, NF, cns., dms lb. .21 - .35
Vetiver, Bourbon, cns lb. 12.90 -15.25
Haitian, cns lb. 10.60 -14.00
Java, cns lb. 16.00 - —
Whale, ref., natural, dms. lb. No stocks.
Winter-bleached dms lb No stocks
Wheat germ, 5-gal. dms gal. 10.00 -13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y. gal. .43 - —
l.c.l., same basis gal. .48 - —
65-75 vis., dms., same basis, gal. .44 - —
l.c.l., same basis gal. .49 - —
USP, 80-90 vis., dms., c.l., same basis gal. .45 - —
125-135 vis., dms., c.l., same basis gal. .53 - —
l.c.l., same basis gal. .58 - —
145-155 vis., dms., c.l., same basis gal. .60 - —
l.c.l., same basis gal. .65 - —
175-185 vis., dms., c.l., same basis gal. .62 - —
l.c.l., same basis gal. .67 - —
200-210 vis., dms., c.l., same basis gal. .65 - —
l.c.l., same basis gal. .70 - —
335-345 vis., dms., c.l., same basis gal. 69½- —
l.c.l., same basis gal. 74½- —
Wintergreen, USP, nat., Northern, cns. lb. 7.10 -13.00
Southern, cns lb. 3.75 -19.50
Synthetic (see Methyl salicylate).

Oil, Lavender—Orthoisopropyl N-phenylcarbamate

Oil, wood (see Oil, tung).
Wormseed, NF, cns lb. 4.00 - 4.50
Wormwood, cns lb. 6.70 - 7.00
Ylang-ylang, Bourbon, bots lb. 11.00 -14.00
extra, bots lb. 17.00 -
Madagascar, bots lb. 9.50 - 9.75
Olein, crude (see Oil, red).
white, low titre, dms lb. .15¾- .16¾
tankcars lb. .14¼- —
Oleostearin, bbls lb. .08¾- —
Olivine, aggregate c.l., mines ton 7.00 9.50
crushed, 8 mesh bulk c.l. works ton 10.00 —
paper bgs., c.l., works ton. 12.00 - —
Opium, USP, cns lb 19.20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd., USP, cns lb. 21.65 -21.90
Orange, cadmium, orthopone, bbls., frt. alld. E. of Rockies lb. 1.20 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., includ. Davenport, Tenn. and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .25 —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago
Chrome, dinitroanilin, toner lb. 1.15 —
Mineral, American, bbls., l.c.l., ship't. point, frt. alld. lb. .1710- —
Molybdate lb. .40 - —
Persian, bbls lb. .30 - .45
Orange, flowers, bbls lb. .40 .45
Orange, peel, bitter, Haitian, bbls lb. .13 .15
Sweet, bbls lb. .13 .17
Oregano, Mexican, bgs. lb. .15 - .15½
Portuguese, bgs lb. .16½- .17
Sicilian, bgs lb. .15½- .16
Orris root, Florentine, bbls lb. .18 - .20
powdered, bbls., bxs lb. .23 - .24
Verona, bbls lb. .13 - .14
powdered, bbls., bxs lb. .18 - .19
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis lb. .33 —
tanks, same basis lb. .31 —
Orthoanisidin, bbls lb. .80 —
Orthochloroanilin, dms. 10,000 lbs. or more lb. .60 —
smaller lots lb. .70 —
Orthochloroparanitroanilin, dms., dlvd lb. .67 —
Orthochlorophenol, dms., c.l., frt. equald lb. .29 —
l.c.l., same basis lb. .30 —
Orthocresol, pure, 30° C. non-ret., dms., c.l., frt. equald lb. .178 - —
l.c.l., same basis lb. .181 - —
ret. dms., c.l., same basis lb. .1900- —
l.c.l., same basis lb. .1930- —
29° C. non-ret. dms., c.l., same basis lb. .168 - —
l.c.l., same basis lb. .171 - —
ret. dms., c.l., same basis lb. .1800- —
l.c.l., same basis lb. .1830- —
24-29° C. non-ret. dms., c.l., same basis lb. .148 - .165
l.c.l., same basis lb. .151 - .171
tanks, same basis lb. .135 - .155
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .09¼- —
l.c.l., same basis lb. .10¼- —
tanks, same basis lb. .07¾- —
Orthoisopropyl N-phenylcarbamate (see IPC).

8 out of 10 say it's *best* for

FLAVOR
CLARITY
UNIFORMITY



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Products Department, Ontario, Calif.

Producing Plant:
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Orthoisopropylphenol—Petroleum, Fuel Oil, Bunker C

Orthoisopropylphenol, dms., c.l. lb. .29 - —
l.c.l. lb. .30 - —
tanks lb. .28 - —
Orthonitroanilin, dms lb. .50 .53
Orthonitrochlorobenzene, dms lb. .18 - .19
Orthonitrobiphenyl, tech, dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrotoluene, dms., c.l., works lb. .08 - —
l.c.l., works lb. .09 - —
tanks, works lb. .07 - —
Orthophenetidin, dms., works lb. .90 - —
Orthotoluidin, dms., c.l., works lb. .19 - —
l.c.l. same basis lb. .20 - —
tanks, same basis lb. .18 - —
Osage orange crystals, bbls., l.c.l lb. .33½- —
extract, liquid, bbls., l.c.l lb. .15½- —
Orthotolidin, (see Tolidine Base).
Ouabaine, USP, pots gram. 3.00 - 4.00
Ox gall, conc., gran., 5 lb. dms., 5 lbs. and up lb. 2.56 - —
Oxyquinolin sulphate, cns., 100 lbs. works lb 4.25 - —
smaller lots, works lb 4.40 - 4.51

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Pancreas substance, assay 1:75 lb 5.75 - 6.25
Pancreatin, USP lb 2.50 3.00
Panthenol, bots., works, frt. adjust. kilo 90.00 - —
Papain, powd., NF, cs lb. 2.10 - 2.70
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulphate, cns oz. 7.10 7.35
Paprika, Chilean, bgs lb. .29½- .30
Portuguese, bgs lb. .39 - .40
Spanish, bgs lb. .44 - .50
Para-anisidin, dms. works lb. .80 —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 -21.00
Parachlorophenol, dms. c.l., frt. equald lb. .29 - —
l.c.l., same basis lb. .30 - —
Parachloroanilin, dms., frt. alld. E. Miss lb. .70 - —
Parachloro-orthonitroanilin, frt. alld. dms. lb. .63 - —
Paracresol, 98%, dms., dlvd lb. .50 - —
Paracymene, dms. works, 50 gals. or more gal. 2.50 - —
smaller quantities gal. 3.00 - —
Paradibromobenzene, bgs., 500-lb. lots. lb. .45 - —
Paradichlorobenzene, dms., c.l., works lb. .12 - —
l.c.l., same basis lb. .14 - —
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery lb. No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0635- —
122-124 ASTM, loose, c.l., ref'y, lb. .0635- —
125-127 ASTM, loose, c.l., ref'd lb. .0635- —
Paraffin, fully ref'd, 128-130 ASTM, loose, c.l., ref'y lb. .0640- —
130-132 ASTM, loose, c.l., refy, lb. .0645- —
132-134 ASTM, loose, c.l., ref'y lb. .0660- —
135-137 ASTM, loose, c.l., ref'y lb. .0705- —

Paraffin prices in bgs. and ctns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs. 3.7c. per lb. higher.

Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd. N.Y. lb. .15½- .16¾
10,000 lbs. to c.l., same basis. lb. .16½- .16¾
1,000-9,999 lbs., same basis. lb. .17½- .17¾
less than 1,000 lbs., same basis lb. .19¼- .19½
94-95%, powd., dms., c.l., works. lb. .13 - —
10,000 lbs. to c.l., same basis. lb. .14 - —
1,000-9,999 lbs., same basis. lb. .15 - —
less than 1,000 lbs., same basis lb. .17 - —
91-92% flake, fib. dms., c.l., works. lb. .11 - —
10,000 lbs. to c.l., same basis. lb. .12 - —
1,000-9,999 lbs., same basis. lb. .13 - —
less than 1,000 lbs., same basis lb. .15 - —

Quotations on 91-92% flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.

Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works lb. .12½- .13¼
5-10-gal. dms., l.c.l., works lb. .16½- —
tanks, works lb. .10½- —
USP, cbys lb. .51 .53
Paranitroanilin, kgs., works lb. .46½- —
Paranitrochlorobenzene, kgs., works. lb. .19 - .20
Paranitrophenol, kgs., works, frt. equald lb. .40 - —
Paranitrotoluene, kgs., works lb. .30 - —
Paraphenetidin, dms., works lb. .80 - —
Paraphenylphenol, bgs., c.l., works. lb. .30½- —
l.c.l., same basis lb. .31½- —
Paraphenylenediamine, redistilled, dms., works lb. 2.00 - —
technical, refined, dms., same basis lb. 1.25 - 1.35
Paratertiarybutylphenol, bgs., c.l., frt. equald lb. .21 - —
l.c.l., same basis lb. .22 - —
Parthion, spray powder, 15% tins, dealers lb. .72 - —
tech., dms., works lb. 1.50 - 2.50
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., works lb. .55 - —
Pareira brava root, whole, bgs. lb. .30 - .31
ground, bxs lb. .35 - .37
powder, bxs lb. .38 - .40
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld. on 96 lbs. or over lb. .33 - .37
l.c.l., same basis lb. .34 - .36
Passion flower herb, bls lb. .35 - .40
Patchouli leaves, bls lb. No stocks.
Peanut meal, 45%, sacked, mills ton. 77.00 - —
Pectin, citrous, NF, powd., bbls lb. 2.05 2.06
tech., powd., bbls lb. 1.42 1.43
Penicillin, crystalline, potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units vl. .15½- —
500,000 units vl. .28 - —
1,000,000 units vl. .52 - —
2,000,000 units vl. 1.00 - —
bulk, sterile, over 25,000,000,-000 unit lots 100,000 units. .04 - —
tablet grade, over 25,000,000,-000 unit lots 100,000 units. .03½- —
procaine, bulk, over 25,000,000,-000-unit lots 100,000 units. .04½- —
sodium, unlabeled, vials 100,000 units vl. .10¾- —
200,000 units vl. .16 - —
500,000 units vl. .30½- —
1,000,000 units vl. .57 - —
2,000,000 units vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .04½- —
Pennyroyal leaves, bls lb. .40 - .45
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .23 - .28
truckload, 20,000 lbs., min., same basis lb. .20¼- —
Pentaerythritol, tech., bgs., c.l., works lb. .29 - —
l.c.l., works lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3 gal. .10½- .11⅛
Pepper, black lb. 1.25 - 1.26
July-Aug. shipment, bgs lb. 1.25 - 1.26
Red, Carolina, longs, bgs lb. .38 - .39
Oct.-Nov. delivery, bgs lb. .36 - .37
Ethiopian, stemless, bgs lb. .32½- .33
Haitian, bgs lb. .52 - .53
Hontaka, bgs lb. .56 - .57
Louisiana longs, bgs lb. .38 - .38½
Mexican sports, bgs lb. .35 - .36
Mississippi sports, bgs., source lb. No stocks.
Nigerian, caps, bgs lb. .38 - .39
birdseye, bgs lb. .70 - .70½
Sierra Leone, bgs lb. .45 - .46
Sudanese, small, bgs lb. .43 - .44
Turkish, bgs lb. .24 - .25
White, bgs lb. 2.25 - 2.30
Peppermint, USP, dom., bls lb. .60 - .70
imported, bls lb. .80 - .90
Pepsin, NF, bulk containers lb. 3.90 - —
Perchloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10¾- —
l.c.l., same basis lb. .12 - —
tanks, same basis lb. .10½- —
Perchloroethylene, dms., c.l., dlvd. E lb. .11½- —
l.c.l., dlvd. E lb. .12 - —
tanks, dlvd. E lb. .10½- —
Peru balsam, cms lb. .87 - 1.10
Petrolatum, USP, amber, dms., c.l., New York lb. .04⅝- .04⅞
l.c.l., same basis lb. .05½- .05¾
cream, dms., c.l., same basis lb. .05¾- .06⅛
l.c.l., same basis lb. .07 - .08
extra amber, dms., c.l., same basis lb. .04⅞- .05⅛
l.c.l., same basis lb. .05¾- .06
white lily, dms., c.l., same basis. lb. .06 - .06⅞
l.c.l., same basis lb. .07¼- .08¼
snow, dms., c.l., same basis lb. .06½- .07⅛
l.c.l., same basis lb. .07½- .08½
soft, dms., c.l., same basis lb. .06¼- .06⅝
l.c.l., same basis lb. .07¼- .07⅛
yellow, soft, dms., c.l., same basis lb. .04⅞- .05
l.c.l., same basis lb. .05⅝- .05⅞
Petroleum, crude bulk, at wells. California bbl. 1.10 - 2.99
Illinois bbl. 2.44 - 2.87
Kentucky bbl. 2.42 - 2.83
Louisiana-Arkansas bbl. 2.08 - 2.90
Montana bbl. 1.28 - 2.77⅋
Oklahoma-Kansas bbl. 2.16 - 2.65
Pennsylvania, lower field bbl. 3.75 - —
Upper field bbl. 2.85 - 3.64
Texas, East bbl. 2.65 - —
Gulf coast bbl. 2.38 - 2.95
North, North-Central bbl. 2.23 - 2.65
Panhandle bbl. 2.23 - 2.65
West bbl. 2.10 - 2.65
Wyoming bbl. 1.28 - 2.87⅋
Ether, laboratory, 30°-60° C, cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
35°-60° C, 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. 44 - —
40°-75° C, 10-gal. cns., dlvd. E gal. 1.50 - —
cms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
90°-160° C, ret. dms., ex tax, f.o.b San Francisco gal. .57 - —
Petroleum, fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.25 - 1.55
light, tanks, refinery bbl. 1.85 - 2.10
eastern, tanks, Albany, N. Y. bbl. 2.35 - —
Baltimore, Md. bbl. 2.08 - —
Boston, Mass. bbl. 2.10 - —
Charleston S. C. bbl. 2.03 - —
Jacksonville, Fla. bbl. 2.02 - —
New York, N. Y. bbl. 2.05 - 2.10
Norfolk, Va. bbl. 2.08 - —
Philadelphia, Pa. bbl. 2.08 - —
Portland, Me bbl. 2.13 - —
Providence, R. I. bbl. 2.075 - —
Savannah, Ga. bbl. 2.03 - —

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Petroleum, fuel oil, Diesel, tanks, refinery, California..gal. .075 - .115
Pennsylvania .....gal. .0875- .0925
Furnace, tanks, refinery, Arkansas, No. 2..gal. .0775- —
No. 3 .....gal. .07375- —
Bayonne, N. J., No. 2....gal. .081 - —
Group 3, No. 1.....gal. .08 - .08625
No. 1, straw.....gal. .08 - .08625
No. 2, straw.....gal. .07375- .035
range .....gal. .08 - .0875
Pennsylvania, western, No. 1, gal. .095 - .09625
No. 2.....gal. .09 - .095
No. 3.....gal. .09 - .0925
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles..gal. .147 - —
235 F, b.r., tanks, ex-tax, Portland, Ore .....gal. .158 - —
San Francisco.....gal. .152 - —
Seattle, Wash.....gal. .158 - —
East coast, tanks, N. J. and N. Y. refinery..gal. .16½- —
group 3, benzol-type, tanks, refinery..gal. .12625- —
toluol-type tanks, refinery, gal. .11625- .11875
Mineral spirits, California, 170-235 b.r., tanks, ex tax, f.o.b. San Francisco..gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery..gal. .14½- —
group 3, tanks.....gal. .10375- —
tankwagon, Baltimore.....gal. .13 - —
Boston .....gal. .16½- —
Buffalo .....gal. .17 - —
Newark .....gal. .15½- —
New York .....gal. .15½- —
Philadelphia .....gal. .14 - —
Pittsburgh .....gal. .175 - —
Providence .....gal. .17 - —
Rochester .....gal. .18½- —
Syracuse .....gal. .19½- —
Washington, D. C.....gal. .13 - —
Naphtha, cleaners, East Coast, tanks, N.J., N.Y., refinery, gal. .14½- —
Group 3, tanks.....gal. .11375- —
tankwagon, Newark.....gal. .15½- —
New York.....gal. .15½- —
Philadelphia .....gal. .14½- —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
200-235 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal gal. .20 - .21
25-26° C., m.a.p., tanks, same basis..gal. .19½- .24
270-370 b.r., 78-81° C, m.a.p., tanks, same basis gal. .23½- —
49° C., m.a.p., tanks, same basis gal. .26½- —
26-27° C., m.a.p., tanks, same basis..gal. .19½- .25½
300-400 b.r., 28-32° C., m.a.p., tanks, same basis..gal. .19½- .27
340-410 b.r., 27° C., m.a.p., tanks, same basis..gal. .29 - —
32° C., m.a.p., tanks, same basis..gal. .19½- —
36° C., m.a.p., tanks, same basis..gal. .20½- —
340-440 b.r., 32° C., m.a.p., tanks same basis..gal. .24½- .27
360-480 b.r., 25° C., m.a.p., tanks, same basis..gal. .19½- —
V.M.&P., ref'y, California, 245-360 b.r., Los Angeles.....gal. .147 - —
Portland, Ore.....gal. .153 - —
San Francisco.....gal. .152 - —
Seattle, Wash.....gal. .153 - —
East coast, N. J., N. Y., tanks..gal. .15½- —
Group 3, tanks.....gal. .11375- .11625
tankwagon, Boston.....gal. .18 - —
Newark .....gal. .17 - —
New York .....gal. .17 - —
Philadelphia .....gal. .195 - —
Pittsburgh .....gal. .183 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .15½- —
Group 3, tanks.....gal. .11375- —
Pennsylvania, western, tanks .gal. .1225- —
Stoddard, California, tankwagon, ex-tax, Los Angeles..gal. .157 - .195
East coast, N. J., N. Y., tanks..gal. .14½- —
Group 3, tanks.....gal. .10875 - —
tankwagon, Boston.....gal. .16½- —
Newark .....gal. .15½- —
New York .....gal. .15½- —
Philadelphia .....gal. .14½- —
Pittsburgh .....gal. .175 - —
Syracuse .....gal. .19½- —
Sulphonate, 70% sulphonic content, ret. dms., c.l., works, lb. .1715- —
l.c.l., works.....lb. .1750- —
tanks, works .....lb. .1525- —
50% sulphonic content, ret. dms., c.l., works..lb. .1365- —
l.c.l., works.....lb. .1400- —
tanks, works.....lb. .1175- —
Phenobarbital, USP, dms., 100 lbs. lb. 4.00 - 4.35
Phenobarbital-sodium, USP, dms. lb. 4.00 - 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies, lb. .1450- —
l.c.l., same basis.....lb. .1525- —
tanks, same basis.....lb. .1275- —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .1450- —
l.c.l., same basis.....lb. .1525- —
tanks, same basis.....lb. .1275- —
USP, synthetic, dms., c.l., same basis..lb. .15½- —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .13½- —
tar distilled, dms., c.l., same basis..lb. .15½- —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .13½- —
Phenolphthalein, USP or yellow, bbls., dms., 2,000 lbs...lb. 1.00 - —
smaller lots .....lb. 1.02 - 1.07
Phenothiazin, NF, 6b. dms., 18,000 lbs., frt. adjusted..lb. .44 - —
smaller lots, frt. adjusted..lb. .48 - —
Phenylacetaldehyde solution, 50%, bots..lb. 2.45 - 2.70
100%, bots.....lb. 4.00 - 4.75
Phenylacetamide, 125-lb. dms., works, lb. lots..lb. 1.25 - —
smaller dms.....lb. 1.30 - 1.60
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works..lb. 20.00 -37.50
Phenyldiethanolamine, dms., c.l., works..lb. .35½- —
l.c.l., works .....lb. .33 - .36½
Phenylethanolamine, dms., c.l., works..lb. .67½- —
l.c.l., same basis.....lb. .63½- —
Phenylethyl acetate, dms.....lb. 1.35 - 1.85
Phenylethylphenyl acetate, bots..lb. 3.75 - 4.20
Phenylhydrazin base, CP, bots....lb. 3.00 - 3.07
Hydrochloride, commercial, kgs., works..lb. 1.75 - —
CP, bots., works.....lb. 5.12 - —
Phenylmethylpyrazolone (see Methylphenylpyrazolone).
Phloroglucinol, CP, fib. dms. works, lb. 13.75 -15.75
commercial fib. dms., works....lb. 5.50 - 7.00
tech., fib. dms., works.....lb. 9.65 -10.75
Phosgene, 150-lb. cyls., works... lb. .20½- —
Phosphate, defluorinated (see under D)
Phosphate rock, Curacao, Atlantic ports..ton.35.00 - —
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine..long ton. 3.75 - —
70%-68%, b.p.l., c.l., same basis..long ton. 4.15 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.80 - —
75%-74%, b.p.l., c.l., same basis..long ton. 5.80 - —
77%-78%, b.p.l., c.l., same basis long ton. 6.90 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum..... short ton. 4.92 - —
68%, b.p.l., basis 31% P_2O_5 minimum. short ton. 5.28 - —
Phosphate rock, Fla., finely grd., 70%, b.p.l., basis 32% P_2O_5, minimum .short ton. 6.33 - —
plus or minus usual bonus adjustment clause for oil and tabor. Prices on entirely pebble, 50c. per long ton higher than above quotations.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5... long ton. 6.45 - —
30-29% P_2O_5.....long ton. 7.21 - —
Phosphorus red, amorphous, cs..lb. .33 - .36
tins, export .....lb. .34 - .37
Yellow, cns. .....lb. .30 - .37
dms., c.l .....lb. .26 - —
Oxychloride, dms., works.....lb. .13 - .16
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works.....lb. .12 - .13
Pentoxide, dms., c.l., works....lb. .12 - —
c.l., works .....lb. .13 - .14
Sesquisulphide, tins, cs., works, lb. .23 - .29
dms., export.....lb. .33½- .36
Trichloride, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - .17
Phthalic anhydride, bgs., c.l., works, frt. equald..lb. .17½- —
l.c.l., same basis.....lb. .18½- —
Bbls. ½c. per pound higher.
Phthalimide, bbls., works.....lb. 1.10 - 1.37
Pichi leaves, bgs .....lb. .08 - .10
Picoline (see Alphapicoline and Betapicoline)
Pilocarpine hydrochloride, NF, bots., vials..oz. 5.25 - —
Nitrate, USP, bots., vials.....oz. 5.20 - —
Pimento, Jamaica, bgs.....lb. .20½- —
Pinetar, retort, dms., incl., c.l., works, South..lb. .043 - —
l.c.l., same basis.....lb. .0473- —
whse., N.Y.C.....lb. .0593- —
tanks, works, South.....lb. .035 - —
Pinkroot, bls .....lb. 1.55 - 1.98
Piperidine, 95% wms., frt. equald, lb. 1.65 - —
98%, dms., same basis .....lb. 1.75 - —
Piperazine hexahydrate, bots...kilo 12.50 -13.25
Pipsissewa herb (see Prince's pine).
Pitch, burgundy, dms. incl., 20 or more dms., works, South, 100 lbs. 7.16 - —
whse., N. Y. C.....100 lbs. 8.82 - —
5 to 19 dms., works, South, 100 lbs. 7.36 - —
whse., N. Y. C.....100 lbs. 8.23 - —
1 to 4 dms., works, South, 100 lbs. 7.61 - —
whse., N. Y. C.....100 lbs. 8.53 - —
Coaltar, 150° F. m.p., bbls., c.l., works..ton.34.00 - —
l.c.l., works .....ton.36.00 -37.00
Cottonseed, dms., works.....lb. .05 - .07
Hardwood, paper bgs., c.l., works, lb. .02 - —
Linseed, dms. .....lb. .06 Nom.
Petroleum (see Asphaltum, Mexican Texas).
Pine, dms., ex whse., East 100 lbs. 4.67 - —
Soybean, dms., works .....lb. .04½- .05
Plaster of paris (see Gypsum).
Platinum metal, works .....oz. 66.00 -69.00
Pokeroot, bls .....lb. .13 - .14
Pleurisy root, bls .....lb. .23 - .24
Podophyllin, NF dms.....lb 12.45 - —

SO_2OCH_3

Methyl-para-Toluenesulfonate

...an intermediate
...a catalyst

Among the varied uses for Monsanto Methyl-para-Toluenesulfonate are such applications as: Dye intermediate . . . alkylating agent . . . catalyst for alkyd and other organic ester preparations...photographic chemicals...pharmaceutical intermediates.

PROPERTIES:

Crystallizing Point.....Approx. 25° C.
Color.....Approx. 100 APHA
Chlorine.....0.01% Max.
Acidity as TSA.....0.01% Max.
Saponification Value.....186.0 — 187.5
Sp. Gr. at 25/25° C.....1.225 — 1.227 (super-cooled liquid)
Molecular Weight.....186.22

CH_3

For further information on Methyl-para-Toluenesulfonate, mail the coupon or contact the nearest Monsanto Sales Office. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1754-G South Second Street, St. Louis 4, Missouri.

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ortho-Chloroaniline
para-Chloroaniline
ortho-Chlorophenol
para-Chlorophenol
Cyclohexylamine
Dicyclohexylamine
Dinitroaniline
Dinitrochlorobenzene, 46.5°
Dinitrochlorobenzene, 48.0°
Monsanto Salt—Sodium ortho-Chloro-para-toluenesulfonate
ortho-Nitroaniline
ortho-Nitrobiphenyl
para-Nitrobiphenyl
ortho-Nitrochlorobenzene
para-Nitrochlorobenzene
para-Nitrophenol
ortho-Phenetidine
para-Phenetidine
Phenol, U.S.P.
Phenolsulfonic Acid, 65% & 70%
Phosphorus Oxychloride—Phosphorus Trichloride
Salicylic Acid, Technical
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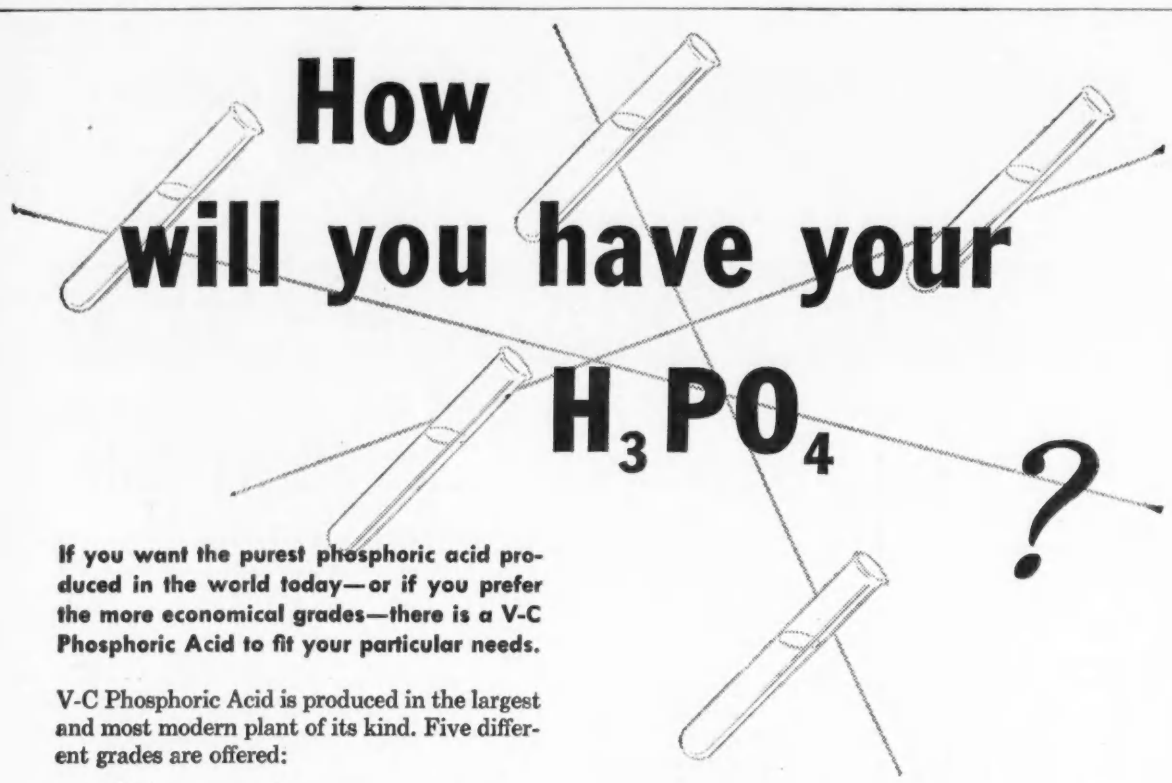
Polystyrene—Pyrophyllite

Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld. lb. .30 - .31
20,000-29,999 lbs., same basis lb. .31 - .31½
10,000-19,999 lbs., same basis lb. .31½- .32
200-9,999 lbs., same basis lb. .32 - .32½
standard, bgs., over 30,000 lbs., same basis lb. .31 - —
20,000-29,999 lbs., same basis lb. .31 - —
10,000-19,999 lbs., same basis. lb. .31½- —
200-9,999 lbs., same basis lb. .31½- —
crystals, heat-resistant, bgs., over 30,000 lbs., same basis lb. .27 - .28½
20,000-29,999 lbs., same basis lb. .28 - .29½
10,000-19,999 lbs., same basis lb. .29 - .30½
200-9,999 lbs., same basis lb. .29 - .30½
standard, bgs., over 30,000 lbs., same basis lb. .27 - —
20,000-29,999 lbs., same basis lb. .28 - —
10,000-19,999 lbs., same basis lb. .29 - —
200-9,999 lbs., same basis lb. .29 - —
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.
Pomegranate root bark, bgs. lb. .68 - .70
Poppy flowers, bls. lb. .50 - 1.05
Seed, Czech, bgs. lb. .14 - .14½
Dutch, bgs. lb. .15½- .16
Polish, bgs. lb. .14 - .14½
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs. 9.75 - —
l.c.l., works 100 lbs. 10.50 - —
liquid, 45%, dms., c.l., works, 100 lbs. 4.525 - —
l.c.l., works 100 lbs. 5.025 - —
tanks, works 100 lbs. 4.20 - —
solid, 90% dms., c.l., works, 100 lbs. 9.15 - —
l.c.l., works 100 lbs. 9.90 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l., works 100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works, 100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works, 100 lbs. 7.90 - —
l.c.l., same basis, works, 100 lbs. 8.65 - —
Potassium abietate lb. .08 - —
Acetate, dms lb. .31 - .36
Bicarbonate, USP, gran, dms lb. .20 - .22
powd., dms lb. .22 - .24
Bichromate, bgs., works lb. .13¼- .14¼
Potassium bichromate in drums, ¾c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bbls., c.l., works, ton.192.00 - —
ton lots, works ton.245.50 - —
less ton lots, works ton.250.50 - —
Potassium bromate, bbls., 1,000 lbs. or more lb. .48 - —
25-200-lb. lots lb. .60 - —
Bromide, USP, cryst., gran., bbls., kgs lb. .33 - .34
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85% bbls., c.l., works 100 lbs. 6.75 - —
dms., l.c.l., works 100 lbs. 7.50 - —
USP, gran., bbls., dms. lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chromate, tech., bgs lb. .25 - .29
Chlorate, cryst., dms., c.l., works, lb. .089 - —
l.c.l., works lb. .0915-.1015
powd., dms., c.l., works lb. .094 - —
l.c.l., works lb. .0965-.1065
export, dms., 1 to 10 tons, ex whse lb. .12 - —
NF, gran dms lb. .31 - .33
Chloride, USP, cryst., dms lb. .26 - .27
gran., bbls lb. .20 - .22
powd., bbls lb. .29 - .32
Citrate, USP, gran., dms lb. .37½- .38½
powder, dms. lb. .40½- .41½
Cyanide, dms., works lb. .52½- .55
Fluoride, dms., works lb. .24 - —
Gluconate, dms. lb. .75 - .79
Glycerophosphate, 75% solution, cbys. lb. 2.05 - 2.20
Guiacol sulphonate, NF, dms lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, pellets, jars lb. .33 - —
Potassium hypochlorite, liquid, cbys., dms., works 100 lbs. 3.50 - —
Hypophosphite, NF, ton lots and less, fib. dms lb. .90 - .93
Iodide, dms. lb. 1.95 - 1.98
Potassium manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite, gran., bbls. lb. .21 - —
powd., bbls lb. .25 - —
Muriate, dom., 60% K_2O, bulk, Carlsbad, N.M. unit-ton. .40 - —
Trona, Cal. unit-ton. .48½- —
Nitrate (see Saltpeter).
Oxalate, neutral tech., fine gran., bbls., dms lb. .30 - .32
purified, dms. lb. .42 - .44
Perchlorate, dms., l.c.l. lb. .14 - .15
kgs., c.l., works lb. .13½- —
Permanganate, tech., dms., works, lb. .21¾- .22¾
USP, dms., works lb. .23½- .24
ex whse lb. .29 - —
Persulphate, dms., c.l., works lb. .17 - —
l.c.l. works lb. .21 - —
Phosphate, tetrabasic, bbls., wks. lb. .13 - .13½
Prussiate, red, kgs lb. .60 - .63
yellow, bbls lb. .21 - —
kegs lb. .26 - —
Ricinoleate, tech., bbls lb. .11 - —
Silicate, glass, bgs., c.l., wks ton.200.00 - —
l.c.l. 100 lbs.15.25 - —
solution, 29° Be, ret. dms., c.l., works 100 lbs. 4.25 - —
l.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4, works 100 lbs. 5.50 - —
62° Be, net, dms., c.l., works, 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works 100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works 10 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works 100 lbs. 7.00 - —
Silicofluoride, bbls., works lb. .07 - .08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min., 90%, works ton.34.50 - —
NF, cryst., bbls. lb. .31 - .33
gran., dms lb. .18½- —
powder, dms lb. .16 - .16¼
Sulphocyanide, cryst., NF (see Potassium thiocyanate).
Thiocyanate, NF, cryst., dms. lb. .75 - .81
tech., works lb. .45 - .50
Titanate, ctns., c.l., works lb. .12 - —
5 tons, works lb. .12¼- —
1 ton or less, works lb. .12½- .12¾
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works ton.15.20 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works lb. .45 - .55
Potassium-titanium oxalate, bbls., kgs lb. .65 - .70
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55
Pregnenolone gm. 4.00 - —
Acetate gm. 4.00 - —
Prickly ash bark, bls. lb. .23 - .25
Berries, bgs lb. .55 - .75
Prince's pine herb, bls. lb. .45 - .50
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.75 - 4.50
spot, 1,000 lb. lots lb. 4.50 - —
smaller lots lb. 4.00 - 5.00
Progesterone, USP, 100 gms. gm. 4.50 - —
Propane, commercial grade, tanks, group 3 gal. .02¼- —
Propionaldehyde, dms., c.l., works lb. .28½- —
l.c.l., works lb. .29½- —
tanks, works lb. .25 - —
Propyl aldehyde (see Propionaldehyde)
Parahydroxybenzoate, USP, dms lb. 2.30 - 2.40
Propylene dichloride, dms., c.l. lb. .08½- —
l.c.l. lb. .09½- —
smaller containers lb. .12½- —
tanks lb. .07 - —
Oxide, dms., c.l., frt. alld. E lb. .18½- —
l.c.l., frt. alld. E lb. .19½- —
tanks, frt. alld. E lb. .16½- —
Propyleneglycol, NF, dms., c.l., frt. alld. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
tech., dms., c.l., frt. alld. E lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .15 - —
Propyleneglycol methylether, dms., c.l., frt. equald. lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Propyithiouracil, bots., 50 kilos or more kilo.55.00 - —
smaller lots lb.55.10 -55.30
Psyllium seed, black, bgs. lb. .18 - .20
blonde, bgs. lb. .16 - .18
husks, bgs. lb. .45 - .47
Pulsatilla herb, bls. lb. .45 - .50
Pumice, dom., grd., course, 0, 1, 1½, 2, 3, bgs., ton lots, lb. .03⅝- .04
Chicago, bgs., ton lots lb. .04½- —
smaller lots lb. .03⅞- .04¼
Italian, silk-screen, coarse bgs., ton lots lb. .05½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs., ton lots lb. .02½- —
fine, bgs., ton lots lb. .02½- —
Pumice in bbls is ½c. per lb. higher.
Pumpkin seed, bgs. lb. .18 - .36
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works lb.11.00 -11.50
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works, gal. 9.50 - —
regular base, dms., works, gal. 9.40 - —
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works gal.14.15 - —
regular base, dms., works, gal.14.05 - —
flowers, fine-grd., 0.9% pyrethrins, bbls., works lb. .42 - .44
powder, 1.3% pyrethrins, bbls., works lb. .56 - .65
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., works, and frt. equald., c.l. gal. 2.00 - 2.69
l.c.l. gal. 2.00 - 2.72
refd., 2°, non-ret, dms., c.l., same basis lb. .79½- —
l.c.l., same basis lb. .80 - —
Pyridoxine hydrochloride, 100-gram lots gram. .55 - —
Pyrites, Spanish, c.i.f. Atl. ports long-ton. 8.00 - —
Pyrocatchin (see Catechol).
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines ton.11.00 -11.50
230 mesh, bulk, c.l., mines ton.12.00 -12.50
325 mesh, bulk, c.l., mines ton.15.00 - —
No. 3, 200 mesh, bulk, c.l., mines, ton. 9.50 - —
insecticide grade, 200 mesh, bgs., c.l., mines ton.12.00 -12.50
rubber grade, 140 mesh, bgs., c.l., mines ton.10.00 -10.50
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.

How will you have your H_3PO_4?



If you want the purest phosphoric acid produced in the world today—or if you prefer the more economical grades—there is a V-C Phosphoric Acid to fit your particular needs.

V-C Phosphoric Acid is produced in the largest and most modern plant of its kind. Five different grades are offered:

1 **V-C 85% N.F. Grade** surpasses National Formulary and American Chemical Society specifications and meets all U.S. Food and Drug Administration regulations. This odorless, water-white, sparkling-clear, syrupy liquid is made from elemental phosphorus and has exceptional utility where unsurpassed purity is indicated.

2 **V-C 85% Technical Grade** is a clear, odorless liquid of syrupy consistency, slightly higher in impurities than the N.F. Grade, but with similar physical characteristics.

3 **V-C 75% Food Grade** far surpasses all Food and Drug requirements for this grade. It is sparkling, water-white and odorless.

4 **V-C 50% Food Grade** meets the same high standards as the 75% Grade except that it is more dilute.

5 **V-C 62½% Commercial Grade** is a greenish-brown, "wet-process" acid containing 62½% free phosphoric acid with a relatively high P_2O_5 content due to dissolved phosphates (averages 49%).

Depend on V-C to supply your H_3PO_4 needs—not only because there is a complete line of V-C Phosphoric Acids—but also because you can rely on V-C for speedy deliveries and friendly, helpful service. V-C Phosphoric Acid is shipped in rubber-lined tank cars . . . and in stainless steel drums, barrels and carboys.

Forty-eight hour truck delivery in Middle Atlantic and Southeastern states. The services of V-C technical experts are available to you without charge. We invite your inquiries.

VIRGINIA-CAROLINA CHEMICAL CORPORATION
Chemicals Division: *401 East Main St., Richmond 8, Virginia*

VIRGINIA-CAROLINA CHEMICAL CORPORATION • Chemicals Division: *401 East Main St., Richmond 8, Virginia*

PHOSPHORUS
PHOSPHORIC ACIDS
85% N.F. Grade • 85% Technical Grade
75% Food Grade • 50% Food Grade • 62½% Commercial Grade
SODIUM PHOSPHATES
Disodium Phosphate (*Technical and Drug Grades*)
Trisodium Phosphate • Tetrasodium Pyrophosphate
Sodium Tripolyphosphate
CALCIUM PHOSPHATES
Monocalcium Phosphate • Lucky Leaven® Phosphate
Phosphate Paste

VC CHEMICALS ®

Pyroxylin scrap, opaque, amber, cs., works..lb. .17 • —
black, cs., works.....lb. .14 • —
gray, cs., works.....lb. .13 • —
mixed, mottled, cs., works.lb. .12 • —
white, china, ivory, cs., works. lb. .17 • —
dense, cs., works.....lb. .16 • —
translucent, pastels, cs., works, lb. .17 • —
transparent, colorless, cs., works. lb. .19 • —
colors, cs., works.....lb. .17 • —
shavings, opaque, amber, cs., works..lb. .14 • —
mixed, colors, cs., works..lb. .14 • —
white, cs., works.....lb. .17 • —
USP, bots., dlvd.....lb. 9.54 • —

Q

Quassia chips, bls.....lb. .08 • .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .14¾- .15
liq., 35% tannin, bbls., works, lb. .08 • .08½
tanks, same basis.....lb. .07½- —
clarified, solid, 64% tannin, bgs., c.l., duty extra..lb. .09 • —
powd., 70% tannin, bgs., c.l lb. .15½- —
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra..lb. .02½- —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs..lb. .14 • .15
Quercitron crystals, bbls., l.c.l..lb. .33½- —
Extract, liquid, bbls., l.c.l.....lb. .14½- —
solid, bxs.....lb. .28 • —
Quicksilver, flasks (76 lbs.) net, 100 flask lots..flask.70.00 • —
smaller lots.....flask.73.00 -75.00
Quince seed, bgs.....lb. .90 • 1.50
Quinidine, NF V, cryst., cns....oz. 1.90 • —
powd., precip., cns.....oz. 1.85 • —
Sulphate, USP, cns.....oz. 1.25 • —
Quinine, NF, cns., 100 ozs.....oz. .70 • —
Bisulphate, USP, cns., 100 ozs..oz. .51 • —
Dihydrochloride, USP.....oz. .70 • —
Ethylcarbonate, NF, cns., 100 ozs. oz. .75 • —
Hydrobromide, NF, cns., 50-oz. cns. oz. .63 • —
Hydrochloride, USP, cns., 100 ozs. oz. .63 • —
Phosphate, NF, cns., 100 ozs. oz. .76 • —
Salicylate, NF, cns., 100 ozs..oz. .66 • —
Sulphate, USP, cns., 100 ozs..oz. .56½- —
Quinine-urea hydrochloride, NF, cns .lb. .68 • —
Quinolin, dms., c.l., frt. equald..lb. .50¾- .51¼
l.c.l., same basis.....lb. .51¼- .51¾
tanks, same basis.....lb. .50 • —

R

R salt, paste, dry basis, dms. ....lb. .70 • .75
Raspberries, dried, bbls.....lb. 1.60 • 1.70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.45 • 2.25
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equaled with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies..lb. 3.65 • —
light shade, bbls., same basis, lb. 3.50 • —
medium shade, bbls., same basis lb. 3.60 • —
medium-light shade, bbls., same basis lb. 3.55 • —
orange shade, bbls., same basis lb. 3.15 • —
lithopone, deep shade, bbls., same basis lb. 1.45 • —
light shade, bbls., same basis lb. 1.30 • —
maroon shade, bbls., same basis..lb. 1.55 • 1.65
medium shade, bbls., same basis..lb. 1.40 • —
medium-light shade, bbls., same basis.....lb. 1.35 • —
orange-red shade, bbls., same basis..lb. 1.25 • —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works.....lb. 1.40 • —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .11¼- .11¾
Iron oxide, synth., bgs ... lb. .11½- .11¾
75%-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis lb. .05¼- .09¼
special, high color, all shades lb. .60 • —
Lake C toner alizarin, bbls., works..lb. 1.05 • —
Lithol toner, bbls., works.....lb. .65½- .80
Lithol-rubin toner, alizarin lake, bbls., works.....lb. 1.40 • —
Maroon, alizarin lake, 25%, kgs., works lb. .40 • .43
toner, bbls., works lb. 1.35 • 1.50
Cadmium, deep, bbls., works lb. 1.20 • —
regular, bbls., works ... lb 1.10 • —
Iron oxide, bgs., l.c.l., works. lb. .04 • —
MNP1 toner, kgs., works .. lb. 3.25 • —
Maroons in smaller pkgs., 5c. per lb. higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 • —
smaller lots, works.....lb 2.02 • —
Metallic, bbls., works.....lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works....lb. .06¾- .07
Para toner, bbls.....lb. .69½- .80
chlorinated, kgs.....lb. .95 • 1.05
concentrated alizarin lake, kgs., works lb .80 • —
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 • —
Pink lake, alizarin, bbls., works lb. .20 • .25
Purple lake, kegs .....lb. 1.35 • —
Rose lake, alizarin, bbls., works.lb. .25 • .28
Spanish oxide, grade 1, bbls., c.l., ex dock..lb. .05½- .05¾
l.c.l., ex dock lb. .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock.....lb. .05½- .05¾
ex whse., New York lb. .06¼- —
Toluidin toner (MNPT), kgs., works lb. 1.01 • 1.30
Red, Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., frt. equald.....lb. .24½- .25
Venetian, 15%, bgs., works....lb. .0350- —
20%, bgs., works.....lb. .0360- —
25%, bgs., works.....lb. .0410- —
30%, bgs., works.....lb. .0440- —
35%, bgs., works.....lb. .0465- —
40%, bgs., works.....lb. .0490- —
Vermilion, Amer., bbls.....lb. .32 • —
Quicksilver, ctns .....lb. 2.27 • —
Red Precipitate, NF, powd., fib. dms lb. 2.19 • 2.21
Red saunders wood, powd., bbls lb. .50 • —
Rennin, NF.....lb. 6.50 • —
Resorcinol, resin grade, dms., c.l., works..lb. .71 • —
l.c.l., works.....lb. .72 • —
tech., dms., c.l., works .....lb. .74 • —
l.c.l., works .....lb. .75 • —
USP, cryst., dms., works.....lb. 2.50 • —
powd., dms., works.....lb. 2.70 • —
Monoacetate, NF, dms.....lb. 3.25 • 3.45
Rhatany root, bgs .....lb. .15 • .16
Rhubarb root, China, whole, cs..lb. .70 • .80
powd., bbls. .....lb. .80 • .90
India, whole, bgs.....lb. .55 • .60
powdered, bbls..... ....lb. .62 • .67
Riboflavin, USP, bots., dlvd....kilo.125.00 • —
Readily soluble, bots., dlvd...kilo.125.00 • —
Rice bran concentrate, dms., Cedartown, Ga lb. .79 • —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .27½- —
smaller lots..... .28 • .33
Rose flowers, pale, bls.....lb. 35 • .40
Rosemary flowers, bls.....lb. 1.55 • 1.65
Leaves, French, bls.....lb. .12 • .12½
Portuguese, bls.....lb. .07 • .07½
Spanish, bls.....lb. .06½- .07
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works.100 lbs. 3.50 • —
FF, dms., c.l., works....100 lbs. 4.60 • —
G, H, I, dms., c.l., works .100 lbs. 5.02 • —
K, dms., c.l., works .....100 lbs. 5.02 • —
M, dms., c.l., works .....100 lbs. 5.02 • —
N, dms., c.l., works .....100 lbs. 5.07 • —
WG, dms., c.l., works....100 lbs. 5.12 • —
WW, dms., c.l., works...100 lbs. 5.17 • —
X, dms., c.l., works .....100 lbs. 5.27 • —
Rotenone, CP, bbls., works.....lb.20.00 • —
tech., works .....lb.16.50 • —
Rottenstone, bgs., c.l., mines....ton.36.00 • —
l.c.l., mines.....ton.43.00 • —
Rue herb, bls.....lb. .35 • .40
Rutin, 10 kilos, fib. dms.....gram. .03½- .04½
smaller lots, fib. dms ..... gram. .04 • .05
Ryania, 100% powd., bgs., works lb. .20 • —

S

Sabadilla seed, powd., bbls.....lb. .70 • —
activated ground with lime, bbls lb. .40 • —
Saccharin, USP, gran., soluble, 1,000 lbs lb. 1.50 • —
smaller lots ..... lb. 1.60 • 1.70
powd., soluble insoluble, dms., 1,000-lb. lots lb. 1.55 • —
smaller lots ..... lb 1.65 • 1.85
Safflower, Egyptian, bls.....lb. .75 • .80
Saffron, Mexican, bls..... lb. .95 • 1.00
Spanish, USP tins.....lb.17.00 -18.00
Safrol, dms.....lb. .85 • 1.10
Sage, Cyprus, bales.....lb. .12 • .13
Dalmatian, bls .....lb. 1.10 • 1.15
Greek, fancy, bls.....lb. .18 • .19
Spanish, bls.....lb. .10 • .10½
Syrian, bls. .....lb. .18 • .18½

Pyroxylin Scrap—Scammony Root

Sago flour, bgs. .....lb. .06½- .06¾
Saligenin, ctns.....lb.14.00 -25.00
Salol, NF, gran., bbls., kgs.....lb. 1.00 —
fib. dms .....lb. 1.02 1.03
powdered salol 10c. higher
Salt, rock, burlap bgs., c.l. 100 lbs. .98 —
l.c.l. .....100 lbs. 1.19 • 1.22
paper bgs., c.l.....100 lbs. .88 • —
l.c.l. .....100 lbs. 1.09 1.12
Table, vacuum, common, fine, bgs., c.l., works 100 lbs. .98 1.08
l.c.l., dlvd. 100 lbs. 1.20 1.32
Saltcake, dom., bulk, dlvd, 100% Na_2SO_4 basis ton.22.00 • —
Saltpeter, cryst., bbls., 10 tons. 100 lbs.13.90 —
smaller lots .....100 lbs.14.15 -14.40
gran., bbls., 20 tons.....100 lbs. 9.25 • —
smaller lots .....100 lbs.10.50 -11.00
powd., bbls., 20 tons.....100 lbs.10.25 • —
smaller lots .....100 lbs.11.50 -12.00
NF, gran., dms ..... lb. 15¾- .17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 .66
powd., dms. .....lb. .75 .76
Sanguinarine nitrate bots oz. 4.75 5.50
Santonin, NF, cryst., powd., cns.kilo. No stocks.
Saponin No. 1, cns .....lb. 2.45 —
Sarsaparilla root, dom., bls.....lb. .30 • .40
Honduras, bls. .....lb. .40 • .45
Mexican, bls. .....lb. .28 • .30
Sassafras bark, ord., bls .....lb. .35 • .40
select, bls .....lb. .50 • .55
Savory, French, bls.....lb. .10 • .10¼
Spanish, bls.....lyb. .10 • .10¼
Saw palmetto berries, bgs .....lb .23 .24
Scammony resin, lump, cns ....lb. 1.95 • 2.20
powd., cns. .....lb. 2.05 • 2.30
Root, bgs .....lb. .11 .14

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DDT Government Specifications
2,4-D Acid, Salt and Isopropyl Ester
TRICRESYL PHOSPHATE
ERGOSTEROL
(Non Irradiated)
MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N. Y. TRIBUNE TOWER, CHICAGO, ILLINOIS

Schaeffer's Salt—Sodium Pentachlorophenate

Schaeffer's salt, bgs ..... lb. .66 • —
Scopolamine hydrobromide, bots oz. 16.00 -17.00
hydrochloride, bots ..... oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs lb. .25¾- —
smaller lots ..... lb. .28¼- —
dms., 100 lbs. or less ..... lb. .27¼- .31¼
Selenium, powd., cns., 10-lb lots lb. 2.35 • —
cs., 1,000-lb lots ..... lb. 2.25 • —
Senega root, bls ..... lb. 1.55 • 1.65
Senna leaf, Alex., half-leaf, bls lb. .22 • .24
sifting, bgs. ..... lb. .19 • .21
Tinnevelly, No. 1, bls. ..... lb. .17 • .24
No. 2, bls. ..... lb. .14 • .19
No. 3, bls. ..... lb. .10 • .11
powdered, bls., bxs. ..... lb. .16 • .22
Pods, bls. ..... lb. .12 • .15
Serpentaria root, bls ..... lb. 2.20 Nom.
Sesame seed, Chinese, white, nat., bgs lb. .11 • .11½
hulled, bgs. ..... lb. .16½- .17
Nicaragua, hulled ..... lb. .20 • .24
natural, bgs. ..... lb. .12 • .12¼
Salvadorean ..... lb. .13 • .13½
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .46½- —
bbls., 1,500-lb. lots ..... lb. .47 • —
kgs., 1,500-lb. lots ..... lb. .49 • —
refined, bgs., 1,500-lb. lots .... lb. .56½- —
bbls., 1,500-lb. lots ..... lb. .57 • —
kgs., 1,500-lb. lots ..... lb. .59 • —
Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs. ..... lb. .40 • .41
No. 2, bgs. ..... lb. .37 • .39
Superfine, bgs., 10 bgs ..... lb. .36 • .37
TN, bgs., 10 bgs ..... lb. .34 • .35
Shellac in 1 to 9 bgs., 1c. more.

Silica amorph., dry-grd., 325 mesh, bgs., c.l., ill. works ton. 20.00 -30.00
t.c.l., works ..... ton. 25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 • —
t.c.l., works ..... ton. 25.00 • —
140 mesh, bgs., c.l., works ton. 12.00 • —
t.c.l., works ..... ton. 17.00 • —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
t.c.l., works lb. .18½- .20½
Silver bullion, ingots, cs ..... oz. .72¾- —
Cyanide, fib. dms., 2,500-oz. lots. oz. .66¾- —
1,000-oz. lots ..... oz. .66⅞- —
500-oz. lots ..... oz. .66⅞- —
100-oz. lots ..... oz. .67⅛- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46½- —
1,000-oz. lots ..... oz. .47¼- —
500-oz. lots ..... oz. .48⅛- —
250-oz. lots ..... oz. .48¾- —
USP granular silver nitrate, 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 • —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 • —
Simaruba bark, bls. ..... lb. .85 Nom.
Skullcap herb, Eastern, bls ..... lb. .60 • .65
Western, bls ..... lb. .30 • .35
Skunk cabbage root, bls ..... lb. .30 • .35
Slate flour bgs. c.l. works ... ton. 11.00 -12.00
t.c.l. ex whse .... ton. 20.00 -40.00
Sloe berries, bgs ..... lb. .32 .35
Smalt, black, ctns ..... lb. .11½- —
Blue, ctns. ..... lb .15½- —
Snakeroot, Canada, bls ..... lb. .40 .45

Soapbark, bls ..... lb. .22 • .23
crushed, bls., bbls. ..... lb. .26 • .28
cut, foreign, bbls ..... lb. .25 • .26
powd., bbls. ..... lb. .27 • .28
Soda ash, dense, 58%, paper bgs., c.l., works .100 lbs. 1.45 • —
l.c.l., stock points .... 100 lbs. 2.85 • 4.85
bbls., c.l., works ..... 100 lbs. 1.95 • —
l.c.l., stock points .... 100 lbs. 3.35 • 5.12
bulk, c.l., works ..... 100 lbs. 1.20 • —
light, 58%, paper bgs., c.l., works .100 lbs. 1.35 • —
l.c.l., stock points .... 100 lbs. 2.75 • 4.52
bbls., c.l., works ..... 100 lbs. 1.85 • —
l.c.l., stock points .... 100 lbs. 3.25 • 5.02
bulk, c.l., works ..... 100 lbs. 1.10 • —
Caustic, flake, powd., 76%, dms., c.l., works .100 lbs. 3.60 • —
l.c.l., stock points .... 100 lbs. 4.95 • 6.77
liquid, 50%, sellers' tanks, works, dry basis .100 lbs. 2.40 • —
rayon-type, tanks, works, dry basis .100 lbs. 2.30 • —
70%, sellers' tanks, works, dry basis .100 lbs. 2.50 • —
rayon-type, tanks, works, dry basis .100 lbs. 2.60 • —
solid, 76%, dms., c.l., works, 100 lbs. 3.20 • —
l.c.l., stock points .... 100 lbs. 4.55 • 6.42
Sal, bgs., c.l., ex car ..... 100 lbs. 1.58 • —
l.c.l., bgs., ex whse .... 100 lbs. 1.78 • —
Soda-lime, USP, dms ..... lb. .23 • .25
Sodium acetate, anhyd., dms., works lb. .10 • .11½
NF, cryst., bbls., works ..... lb. .16 • —
powder, bbls., works ..... lb. .08 • .09
Alginate, refined, water soluble, bbls., works lb. .79 • —
semi-refined, bbls., works lb. .46 • —
NF, white, powd., dms., works, ton lots lb. 1.25 • —
smaller lots ..... lb. 1.30 • 1.65

Sodium aluminate, 20,000 lbs. or more, bgs. .100 lbs. 8.50 • —
under 20,000 lbs., works .100 lbs. 9.50 • —
Antimoniate, bbls., c.l., dlvd. lb. .23¼- —
t.c.l., dlvd. ..... lb. .24¼- —
Arsenate, dealers, dms., c.l., works. lb. .12 • —
Arsenite, dealers, dms., works lb. .13¼- .14¼
solution, dms., works ..... gal. .60 • 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 • —
USP, bbls., dms., 100 lbs. or more lb. .46 • —
Bicarbonate, USP, gran., bgs., c.l., works .100 lbs. 2.35 • —
t.c.l., works ..... 100 lbs. 3.00 • —
powd., bgs., c.l., works 100 lbs. 1.95 • —
t.c.l., works .... 100 lbs. 2.60 • —
Bichromate, bgs., works ..... lb. .09¾- .10¾
Sodium bichromate, in drums, ½c. higher.
Bifluoride, bbls., c.l., works, frt. equald lb. .13¼- —
t.c.l., same basis ..... lb. .13¾- —
Bisulphate, bulk, c.l., works 100 lbs. 1.75 • —
dms., c.l., works ..... 100 lbs. 2.40 • —
t.c.l., works ..... 100 lbs. 2.90 • —
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.75 • —
t.c.l., works 100 lbs. 4.00 • —
solut. 35° bbls., c.l., works 100 lbs. 1.10 • —
t.c.l., works ..... 100 lbs. 1.50 • —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb .33 • .34
Cacodylate, NF, jars, dms .... lb. 7.00 • 8.00
t.c.l., works ..... 100 lbs. 1.50 • —
Carbonate, anhydrous (see Soda ash), crystalline, monohydrated, bgs., c.l., works .100 lbs. 2.55 • —
t.c.l., works ..... 100 lbs. 2.75 • —
Chlorate, cryst., dms., c.l., works. lb. .08 • —
t.c.l., works ..... lb. .08¼- —
powd., kgs., works ..... lb. .09½- —
Chloride, tech. (see Salt).
USP, dms ..... lb. .21 • —
Chlorite, tech., dms., works lb. .75 • —
Chloroacetate, tech., dms., c.l., works. lb. .20 • —
t.c.l. dms. works ..... lb. .21 • .23
Chromate, dms., works ..... lb. .11½- .12⅛
Citrate, anhyd, dms. ..... lb. .60 • .65
USP VIII, dms ..... lb. .21½- .26¼
USP XIII, gran., dms ..... lb. .28 • .32
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., 1,000 lbs., works. lb. 1.10 • —
smaller lots, works ..... lb. 1.25 • —
Cyanide, 96-98%, dms. ..... lb. .16 • .18
Diacetate, 33-35% acidity, bbls., works lb. .11½- .12¼
anhydrous, dms., works lb. .14 • .15⅛
Fluoride, white, 80%, bbls., c.l., works lb. .10½- —
t.c.l., works ..... lb. .10¾- .11
95%, bbls., c.l., works .... lb. .10¾- —
l.c.l., works ..... lb. .11 • —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works .lb. 12.00 • —
2 to 25 tins to case, works .lb. 12.00 -16.50
1 oz. tins, 16 to 64 to case, works .lb. 16.50 -21.00
tribasic, ton lots ..... lb. 11.00 • —
Formate, bgs. c.l., dlvd. .... 100 lbs. 7.10 • —
t.c.l. ..... 100 lbs. 8.15 • —
Gluconate, dms. ..... lb. .83 • .88
Glutamate, monobasic, dms., c.l., dlvd. lb. 1.53 • —
smaller quantities, dlvd. .lb. 1.54 • 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 • 1.80
powder, bbls. ..... lb. 1.70 • 1.85
solution, 75%, cbys. ..... lb. .96 • 1.06
Hydride, dms., works ..... lb. 2.00 • 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .21 • —
t.c.l., frt. alld ..... lb. .21½- .23¼
Hydroxide, tech. (see Soda, caustic).
USP, pellets, dms lb. .23 • —
Hypophosphite, NF, ton lots and less, dms. lb. .85 • .88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 • —
t.c.l., same basis .100 lbs. 4.10 • —
pea, bgs. ..... 100 lbs. 3.90 • 4.85
gran., bgs., c.l., metro area .. 100 lbs. 4.00 • —
Sodium, hyposulphite, crystals in bbls., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, bots., dms ..... lb. 2.47 • 2.59
Lactate, edible, 30%, dms., cbys., works lb. .19 • —
60%, dms., cbys., works .lb. .26 • —
tech., 50%, dms., cbys., works, lb. .13 • .14
Metaborate, octa-hydrate, gran., bgs., c.l., works .ton. 75.00 • —
t.c.l., works ..... ton. 118.00 -123.00
tetrahydrate, c.l., bbls., works, ton. 184.50 —
Sodium metaborate in bbls., $20 per ton higher.
Metal, tanks, works ..... lb. .16 • —
bricks, dms., works ..... lb. .17 • .18
Metanilate, bgs. ..... lb. .57 • —
Metasilicate, anhyd., dms., c.l. 100 lbs. 4.25 • —
t.c.l., dms., works .... 100 lbs. 5.75 • —
pentahydrate, bgs., c.l., works. 100 lbs. 3.50 • —
l.c.l., bgs., works .. 100 lbs. 3.90 • 6.40
bbls., c.l., works .. 100 lbs. 3.90 • —
l.c.l., bbls., works .. 100 lbs. 4.30 • —
Molybdate, anhyd., works ..... lb. .54 • —
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls ..... lb. .60 • .66
Nitrate, crude, dom., bgs., c.l., works .ton. 48.50 • —
bulk, c.l., works ..... lb. 45.00 • —
imp., 100-lb. bgs., c.l., Atl Gulf, Pac. whse .ton. 51.50 • —
bulk, c.l., same basis .ton. 48.00 • —
USP, dms ..... lb. .21 • —
Nitrite, 90%, bbls., c.l., works, frt. equald .lb. .07¼- —
l.c.l., same basis ..... lb. .08¼- —
Orthosilicate, anhyd., dms., c.l., works .100 lbs. 5.25 • —
t.c.l., same basis ..... 100 lbs. 5.35 • 7.10
hydrated, flake, bbls., c.l., works, 100 lbs. 4.25 • —
t.c.l., works ..... 100 lbs. 8.50 • 8.75
Oxalate, neut., bgs., works .... lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more .lb. 3.50 • —
smaller lots ..... lb. 3.65 • —
Para-aminosalicylate, dms., 1,000 lbs. or more .lb. 5.25 • —
smaller lots ..... lb. 5.30 • 6.25
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald .lb. .21½- —
t.c.l., same basis lb. .22½- .24¼
pellets, bgs., c.l., same basis lb. .21 • —
t.c.l., same basis ..... lb. .22 • .24
powd., bgs., c.l., same basis lb. .20 • —
t.c.l., same basis ..... lb. .21 • .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.

DRYMET*

THE ECONOMICAL DETERGENT SILICATE

Cowles DRYMET, anhydrous sodium metasilicate, is the most highly concentrated form of sodium metasilicate available. It is more economical to use, on the basis of both Na_2O (alkalinity) and SiO_2 (silicate) than any other type of hydrated or anhydrous detergent silicate, either compounded or by itself. DRYMET contains no water of crystallization.

DRYSEQ*

THE ALL-PURPOSE DETERGENT SILICATE

Cowles DRYSEQ, anhydrous sodium sesquisilicate, is a medium pH alkaline cleaner which will do fast, dependable work at a low cost to the user. It is a white, free-flowing powder, quickly and completely soluble in hot or cold water—containing 56.75% Na_2O—making it an economical base material for compounding.

DRYORTH*

THE HEAVY-DUTY DETERGENT SILICATE

Cowles DRYORTH, anhydrous sodium orthosilicate, is a powerful, speedy, heavy-duty cleaner with valuable penetrating and wetting-out properties, reinforced dirt-removing power and unusual emulsifying action. It is an anhydrous, free-flowing powdered silicate containing not less than 60% Na_2O, which may also be used as an economical constituent of high pH cleaning compounds.

CRYSTAMET*

THE MEDIUM pH DETERGENT SILICATE

Cowles CRYSTAMET is a pure, perfectly white, free-flowing granular pentahydrate sodium metasilicate with the normal 42% water of crystallization. Suggested for compounding when it is desirable to lower the concentration of a finished product. Readily soluble—chemically stable—easy to handle. Can be used on medium pH jobs.

Cowles Chemicals

We'll be glad to send you our DRYMET File Folder containing complete technical information and suggested formulations.

PROMPT SHIPMENTS FROM CONVENIENT WAREHOUSE STOCKS

* REG. U. S. PAT. OFF.

COWLES CHEMICAL COMPANY

HEAVY CHEMICAL DEPARTMENT • CLEVELAND 3, OHIO

Sodium perborate, USP, tech., bbls., c.l., works lb. .18¾- —
t.c.l. works lb. .19¼ —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .18 - —
t.c.l., same basis lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms. lb. .38 - .39
powd., dms. lb. .41 - .42
Phosphate, dibasic, anhydr., bgs., c.l., works 100 lbs. 6.75 - 7.00
t.c.l., works 100 lbs 7 25 - 7.50
cryst., bgs. c.l. wor' s 100 lbs. 4.00 - —
t.c.l., works 100 lbs. 4.40 - —
USP, dried, powd., bgs., dms. works lb. .19 - .20½
monobasic, anhyd. bgs. c.l., works 100 lbs. 7.80 - —
t.c.l., works 100 lbs. 8.20 - —
tribasic, cryst., bgs., c.l. wks., frt. equald 100 lbs. 3.90 - —
t.c.l., same basis 100 lbs. 4.30 - —
Sodium phosphates to bbls. 40c. higher than bgs
USP (see Sodium phosphate dibasic)
Prussiate, yellow, bgs. lb. .12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs. 10.50 - —
ferric, dms., 1,500 lbs., works. lb. .30 - —
smaller lots, works lb. .31 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.15 - —
t.c.l., frt. equald 100 lbs. 7.55 - —
Salicylate, USP, dms lb. .59 - .62
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.95 - —
t.c.l., dlvd. zone 1 100 lbs. 3.70 - 4.10
zone 2 100 lbs. 3.96 - 4.36
zone 3 100 lbs. 4.25 - 4.65
zone 4 100 lbs 4.96 - 5.35
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
bbls., c.l., works 100 lbs. 2.45 - —
Sesquisilicate, bbls., c.l., works, 100 lbs. 4.15 - —
t.c.l. dlvd. 100 lbs 5.40 5.65
tanks works ton.16.00 -17.00
Silicate, liquid, 40°, turbid., dms., c.l., works 100 lbs. 1.10 - —
t.c.l., works 100 lbs. 1.30 - 1.40
tanks, works ton.16.80 -16.85
32°, turbid, dms., c.l., works, 100 lbs. 1.85 - —
t.c.l., works 100 lbs. 2.10 - 2.20
tanks, works ton.32.80 - —
solid, bgs., works ton.42.50 - —
Silicofluoride, bbls., c.l., works lb. .04½- —
t.c.l., works lb. .049 - —
Stannate, dms., works, frt. alld E. lb. .443 - .508
Stearate, USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF VII, dried, gran., dms. lb. .14½- .16½
tech. anhyd. bgs. c.l. works 100 lbs. 2.00 - —
t.c.l., works 100 lbs 2.35 - 2.60
cryst. (see Glauber's salt)
USP, cryst., bbls lb. .17 - .19
gran., bbls. lb. .17 - .17½
Sulphide, flake, bbls., c.l., works frt. equald 100 lbs. 4.50 - —
t.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs. 4.00 - —
t.c.l., same basis 100 lbs. 4.50 - 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l., frt. equald 100 lbs. 2.50 - 2.75
t.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.50 - —
t.c.l., same basis 100 lbs. 7.00 - —
crystals, bgs., c.l., works 100 lbs. 4.10 - —
t.c.l., works 100 lbs. 4.50 - 4.75
bbls., c.l., works 100 lbs. 4.50 - —
t.c.l., works 100 lbs. 4.90 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l lb. .05¾- —
t.c.l., works lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03 - —
t.c.l., works lb. .03¼- —
Thiocyanate, CP, dms lb. .55 .65
tech., dms. works lb. 30 -
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .40 .42
Titanate, etns., c.l., works lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works lb. .10½- .11
Trichloroacetate, dms. lb. .46 - .55
Tripolyphosphate, bgs., c.l., works, frt. equald 100 lbs. 7.25 - —
t.c.l., same basis 100 lbs. 7.65 - —
Tungstate, tech., kgs., dlvd. East lb. 1.10 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dlvd., dms lb. .22 - .22½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
t.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs. same basis lb. .30 - —
Solvent naphtha, coal tar, tanks, works gal. .25 - .3235
high-flash, tanks, works gal. .25 - .3235
Petroleum, 100° F., flash, tanks, Baytown, Tex. gal. .23 - —
150 F. flash, tanks, same basis-gal. .23 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots to 5 tons, works, lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
Solution, commercial, aqueous, dms., c.l., works lb. .22¼- —
ton lots, works lb. .23¼- —
less ton lots, works lb. .24 - —
tanks, works lb. .23¼- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb. .15½- —
Soybean meal, 41% bulk, Decatur ton.76.50 -77.00
50%, same basis ton.88.25 - —
protein, chemically isolated, 40,000 lbs., works lb. .20 - —
20,000 lbs., works lb. .20¼- —
smaller lots, works lb. .20½- .24

Soybean protein, mechanically refined, bgs., 40,000 lbs., works lb. .0375- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. .0605- —
Sparteine sulphate, cns. oz. .85 1.25
Spearmint leaves, bls. lb. .52 .53
Spikenard root, bls. lb. .36 - .40
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works, lb. .05¼- —
Squaw vine leaves, bls. lb. .30 - .35
Squill, red, fortified, powd., bbls, boxes lb. 1.50 1.60
White, bls. lb. .11 .13
powd., bbls., bxs. lb. .16 .18
St. Ignatius beans, bgs. lb. No stocks.
St. John's bread, edible, bls lb. .13 - .18
Stainless steel flake, dry, dms., works lb 1.50 - —
paste, dms., works lb 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.82 - —
Chicago 100 lbs. 5.17 - —
t.c.l. 100 lbs. 5.97 - —
powd., paper bgs., c.l. 100 lbs. 5.93 - —
Chicago 100 lbs. 5.28 - —
t.c.l. 100 lbs. 6.08 - —
Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works lb. .05 - —
t.c.l., spot lb. .07¼- —
Maine, bgs., c.l., works lb. .05¼- —
t.c.l., spot lb. .07 - .07¼
Rice, bgs. lb. .10¾- .11
Sweetpotato, bgs., c.l. lb No stocks
Wheat, bgs. lb. .0606 .0626

Stavesacre seed, bgs lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .33 38
Stoneroot, bls lb. .07¼ 08
Storax, USP, cs lb 1.50 1.60
Stramonium leaves, bgs lb. .19 .20
Seed, bgs lb. .20 .21
Streptomycin, hospitals, vials gram. .60 - —
wholesalers, vials gram. .48 - —
Strontium bromide NF cns. dms., lb. .42 —
Carbonate, 90% dms lb. .15½- .16½
Chloride, tech, bbls lb .22 .24
Chromate, bbls., works lb. .50 - —
Iodide, jars, 25 lbs lb 3.60 - —
Nitrate, bbls., c.l., works lb .09¼- —
t.c.l. works lb .10¼ - —
Oxalate, bbls., works lb. .42 .44
Salicylate, NF, dms lb. 1.25 1.32
Sulphate, air-floated, 90% 325 mesh, bgs., works ton.56.70 -66.15
Strontium-calcium sulphide, phosphorescent, dms, works lb 2.50 2.85
Strophanthin NF bots oz.39.00 - —
Strophanthus seed, Kombe, bgs lb 3.00 3.25
Strychnine NF powd. cns. 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP powd. cns., 100 ozs oz. 1.00 - —
Styrene, monomer, dms., c.l., works lb. .17¾- —
t.c.l., works lb. .18¾- —
tanks, works lb. .16½- —
Styroyl acetate, bots lb 2.50 3.10
Sucrose octa-acetate, denat., bbls., t.c.l., works lb .60 - —
tech. bbls., t.c.l. works lb .55 - —
Sugar coloring (see Caramel coloring)

Sugar of milk (see Milk sugar)
Sulphabenzamide, dms. lb. 4.25 - 4.60
Sulphabenzamide-sodium, dms lb 4.25 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms lb.10.50 -11.00
powder lb.10.25 -10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms lb.12.25 -12.75
powder lb.11.25 -11.75
Sulphaguanidin, USP, dms lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms lb.10.55 -11.05
powder, dms lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals lb. 8.80 - 9.30
powder lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing lb. 1.15 - 1.25
microcrystals lb. 1.30 - 1.50
powder lb. 1.05 - 1.25
Sulphanilamidoquinoxaline, veterinary, dms lb. 9.00 - 9.25
Sulphapyridin NF powd. bots. tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing lb. 3.50 - 4.00
micro crystals, 99.9%, not over 10 microns, dms lb. 3.25 - 3.55
powder, dms. lb. 3.00 - 3.30
Sulphathiazole-sodium, USP, dms., lb. 3.00 - 3.30

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Nytron • Ammonium Bicarbonate • Para-dichlorobenzene • Ortho-dichlorobenzene • Monochlorobenzene • Methanol • Ammonium Chloride • Formaldehyde

Sulphur—Witch Hazel Leaves

Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
t.c.l., works 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton. 18.00 - —
vessel f.o.b. Gulf ports, export, long ton. 22.00 -24.00
f.o.b. ship for domestic and Canada long ton. 19.50 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
t.c.l., works 100 lbs. 1.95 2.30
Precipitated, USP, bbls., kgs lb. .27 - .29
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
t.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
t.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works 100 lbs. 3.85 - —
t.c.l., works 100 lbs. 4.20 4.60
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
t.c.l. works 100 lbs. 2.75 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
t.c.l., works 100 lbs. 3.05 3.70
rubbermakers' bgs., c.l., works. 100 lbs. 2.35 - —
t.c.l., bgs., works 100 lbs. 2.70 3.05
Chloride, mono, 55-gal. dms., c.l., frt. equald lb. .03¼- —
t.c.l., same basis lb. .04¼- —
tanks, same basis lb. .03 - —
Dioxide, liquid, com'l, cyls., works lb. .09 - —
multi-unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, c.v.'s., t.c.l., dlvd., lb. .20 - .36
Sumac bark, 28%, grd., bgs., ex dock ton. 65.00 -66.00
Extract, No. 1, bbls., 25% lb. .10½- —
No. 2, bbls., 25% lb. .09 - —
crystals, bbls. lb. 40 - —
stainless, bbls. lb. 14½- —
Leaf, 28% grd. bgs., ex-dock, ton. 67.00 -68.00
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Baltimore unit-ton. .76 - —
Carteret, N. J. unit-ton. .73 - —
tripie, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla. unit-ton. .80 - —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, imported, bls. lb. No stocks.

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton. 25.00 -35.00
Vermont, bgs., c.l., works ton. 14.00 - —
t.c.l., works ton. 17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton. 24.00 - —
t.c.l. ton. 26.50 -32.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton. 23.00 -28.00
t.c.l., works ton. 25.00 -32.00
imp., Canada, grd., bgs., c.l., mines ton. 12.50 -35.00
Tallow, inedible, extra, loose, c.l., dlvd lb. .04⅞- —
fancy, loose, same basis lb. .05¼- —
special, loose, same basis lb. .04½- —
sulphonated, 25%, dms. lb. .06 - .06½
50%, dms. lb. .08½ - .09
Tamarind, W. I., bbls. lb. .10 - .15
kegs keg. 16.00 - —
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 6.50 - —
Chicago unit-ton. 7.00 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton. No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls lb. .24 - .30
Tapioca flour, high grade, bgs lb. .07 - .07½
medium grades, bgs lb. .06½- .07
low grades, bgs lb. .05½- .06
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .41 - —
t.c.l., same basis gal. .44 - —
tanks, same basis gal. .33 - —
25-28%, dms., c.l., works gal. .42 - —
t.c.l., same basis gal. .51 - —
tanks, same basis gal. .40 - —
50-53%, dms., c.l., same basis, gal. .58 - —
t.c.l., same basis gal. .61 - —
tanks, same basis gal. .50 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton. 225.00 Nom.
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l lb. .24½- —
t.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½- —
t.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .33 - .60
Terpinglycol ether, dms., c.l., works. lb. .19½- —
t.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½- .70½
prime, cns., dms lb. .55 - .65
Terra alba (see Gypsum).
Testosterone, USP, 100 gms gm. 3.75 - —
Propionate, USP., 100 gms gm. 3.75 - —
Tetrachloroethane, dms., works lb. .68 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. .65 - .70
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
t.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb. 12.50 -15.00
sulphate, 99%, bots., dlvd lb. 10.50 -13.00
Theobromine, fib. dms lb. 4.50 - 4.55
Salicylate, fib. dms lb. 4.00 - 4.05
with sodium acetate, USP, dms lb. 3.65 - 3.70
Sodio-salicylate, fib. dms lb. 2.90 - 2.95
Theophylline, USP, 100-lb. dms lb. 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo 160.00 —
Mononitrate, bots., 100 grams kilo. 160.00 - —
Thiocarbanilide, dms lb. .40 - .42
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
t.c.l., works lb. .44 - —
Thorium nitrate, cs., works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs lb. .14½- .15
Spanish, bls lb. .08½- .09
Thymol, kgs lb. 3.50 - —
Iodide, NF, dms lb. 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works lb. .7122- .7222
Crystals, hydrous, bgs., bbls., works lb. .58½- —
Metal lb. .78¼- —
Oxide, bbls. lb. .83 - .84
Sulphate, stannous, bbls., kgs., works lb. .83 - .85
Tetrachloride, anhyd., dms., works lb. .47½- .48½
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd lb. .19½- —
t.c.l., dlvd lb. .20 - .20½
chalk-resistant, bgs., c.l., dlvd. lb. .19½- —
t.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½- —
t.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .05 - —
5-ton lots, works lb. .05¼- —
milled, ogs., c.l., works lb. .05¼- —
5-ton lots, works lb. .05½- —
nonchalking, bgs., c.l., dlvd lb. .21½- —
t.c.l., dlvd. lb. .22 - .22½
Hydride, cns., works lb. 7.00 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .07½- .07¾
t.c.l., dlvd. lb. .08 - .08¾

Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., t.c.l., ex whse. ½c. higher

Tetrachloride, CP, 55 gal. dms lb. .57 - .58
smaller, pkgs., works lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works lb. 40 1.00
Tolu balsam, cns., dms lb. 3.25 - 3.50
Toluene (see Toluol)
Toludin base, distilled, kgs lb. 1.10 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa. gal. .24½- —
Birmingham dist. gal. .23¼- —
Chicago district gal. .25½- —
Cleveland district gal. .25¾- —
Lone Star, Tex. gal. .24½- —
Geneva, Utah gal. .18¼- —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa. gal. .23 - —
Lackawanna, N. Y. gal. .26 - —
Lorain, Ohio gal. .24 - —
Minequa, Colo. gal. .25½- —
Philadelphia, Pa. gal. .28½- —
Pittsburgh district gal. .23 - —
Sparrow's Point, Md. gal. .24½- —
St. Louis, Mo. gal. .26 - —
Syracuse, N. Y. gal. .23½- —
Terre Haute, Ind. gal. .26½- —
Wyandotte, Mich. gal. .26 - —
Youngstown, Ohio gal. .23½- —
Petroleum, industrial, 2° tanks, works—
Albany, N. Y. gal. .30 - —
Bayonne, N. J. gal. .30 - —
Baytown, Tex. gal. .28 - —
Chicago, Ill. gal. .30 - —
Detroit, Mich. gal. .30 - —
Philadelphia, Pa. gal. .30 - —
Providence, R. I. gal. .30 - —
Wood River, Ill. gal. .26 - —
Tonga, 50% bark and vine bls. lb .80 - .95
Tonka beans, Angostura, cks lb 1.75 1.80
Brazilian, cs lb 1.00 - 1.15
Surinam, cs. lb 1.00 - 1.15
Toxaphene, dms., works, c.l lb .20 - —
truckloads, works lb .20 - —
ton to truckloads, works lb .23 - —
less than tons, works lb .26 - —
Totaquine, 100-oz. tots oz. .42 - —
Triacetin, dms., dlvd lb. .35½ - —
Tributyl citrate, dms. lb. 41 43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. allwd lb. .56½- —
t.c.l. lb. .57½- —
smaller containers lb. 71 - —
Tributylamine, dms., c.l. works lb. 78 - —
t.c.l., works lb. 81 - —
Trichlorobenzene, dms., c.l., works, frt. alld. lb. .10½- —
t.c.l. frt. alld. lb. .11½- —
tanks, frt. alld. lb. .09 - —

Prices in the West, 1¾c. higher.

Trichloroethane, dms., c.l., works. lb. .13 - —
t.c.l., works lb. .13½- —
tanks, works lb. 11½- —
Trichloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10½- —
t.c.l., same basis lb. .11¼- —
tanks, same basis lb. .10 - —
Trichloroethylene, dms., c.l., dlvd. E lb. .11¼- —
t.c.l., dlvd. E lb. .11¾- —
tanks, dlvd. E lb. .10¼- —
Tricholine citrate, 65% solut., ret., cbys., works, frt. adjusted lb. 2.10 - 2.15
Trieresyl phosphate, coaltar, dms., c.l., dlvd lb. .31½- —
t.c.l., dlvd lb. .32½- —
tanks, dlvd lb. .30 - —
petroleum, dms., c.l., dlvd lb. .31½- —
t.c.l., dlvd lb. .32½- —
tanks, dlvd lb. .30 - —
Triethanolamine, dms., c.l. frt. alld. E lb. .23 - —
t.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½- —
Triethylamine, dms., c.l., works, frt. alld. lb. .31¾- —
t.c.l., same basis lb. .32¾- —
tanks, same basis lb. .30 - —
Triethyl citrate, dms lb. .34 - .36
smaller containers lb. .39 - .45
Phosphate, dms., works, c.l lb. .38 - —
t.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .20½- —
t.c.l., same basis lb. .21½- —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51½- —
t.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald., basis 100% lb. .38 - —
t.c.l., works, frt. alld., basis 100% lb. .38½- —
tanks, works, frt. equald., basis 100% lb. 33 - —
Trimethylhexanol, dms., c.l., works ip 29½- —
t.c.l., works lb 30 - —
tanks, works lb. 29 - —
Tripentaerythritol, bgs., t.c.l., works lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .32 - —
t.c.l., frt. equald lb. .33 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli air-floated, bgs., c.l., works. lb. .0175- —
double-grd., ogs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium fluoroacetate (see sodium fluoroacetate trihasic).
Trisodium phosphate (see Sodium phosphate, trihasic).
Trypsin, 1:25, dms., works lb 2.30 - —
1:50, dms., works lb 4.25 - —
1:75, dms., works lb 5.50 - —
1:100, fib. dms., works lb 5.50 - —
Tryptophane, dextro-laevo, 6b cins. works kilo. 207.00 -242.00
Tuba root (see Cube root)
Tungsten metal powd., 99.9%, dms. works lb 4.75 - —
Oxide, kgs., works lb 2.83 - —
Turmeric root, Alleppey, bgs., afloat. lb. .30 - .30½
Haitian, bgs. lb. .10 - .10¼
Jamaica, bgs. lb. .10 - .10½
Madras, bgs. lb. .15 - .15¼
Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ret. dms., East gal. .47 - .56
Wood, dest.-dist., dms., incl., c.l., works, South gal. .40 - —
t.c.l., same basis gal. .41 - —
N. Y. whse gal. .47 - —
tanks, works, South gal. .27½- —
Tyrothricin, bots. gram. 1.00 1.10
steam-dist., dms., incl. c.l., works gal. .50 - —
t.c.l., works, South gal. .56 - —
ex whse., NYC gal. .68 - —
tanks, works gal. .37 - —

U

Urethane, USP dms. lb. 1.25 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs. lb 2.55 - —
yellow, kgs. lb 1.65 - —
Urea, dom. 46% N, ogs., c.l., wks. lb .04½- —
t.c.l., works lb. .05 - —
42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 94.00 - —
bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont. Wyo., and west ton. 116.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle W Va ton. 125.00 - —
C and D grades, same basis, ton. 123.50 - —
37 grade, same basis ton 147.50 - —
Uva ursi leaves, bls lb. .08 - .10

V

Valerian root, Belgian, NF, bls lb. .40 - .45
Valine, dextro-laevo, dms., works. lb. 22.50 -27.50
Valonia beards, ogs., ex dock ton No stocks.
Cups, bgs., ex dock ton. 51.00 - —
Extract, powd., ngs., ex dock, duty extra lb. .09½- —
Vanadium pentoxide, CP, bgs., cns., works lb 7.00 - —
tech, dms. works lb 1.00 1.06
Vanilla beans, Bourbon, tins lb. 4.25 - 4.50
Mexican, cuts, tins lb. 6.50 - 6.75
whole, tins lb. 7.25 Nom.
Tahiti, cs. lb. 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb 4.00 - —
smaller lots lb 4.05 - —
ex guaicol, tins, 25 lbs lb 3.00 - —
smaller lots lb 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb 3.00 - —
smaller lots, tins lb 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works. lb. .16 - .16½
5-gal cns., works lb. .30 - —
tanks, works lb. .15 - —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
t.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. lb. .28 - —
t.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isohutylether, tech., dms., c.l., works lb. .28 - —
t.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works lb 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .02 - —
lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units, 1,000,000 units. .03 - —
Vitamin A, natural, 200,000 to 250,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 - —
lots of less than 500 million units 1,000,000 units. .21 - —
351,000 to 450,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .18 - —
lots of less than 500 million units 1,000,000 units. .22 - —
451,000 or more A units per gm., bots, cns., dms., lots of 500 million units or more 1,000,000 units. .19 - —
lots of less than 500 million units 1,000,000 units. .23 - —

Prices above are based on the USP XIII method of conversion, E x 1894.

Vitamin A, natural, 200,000 to 350,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .19½- —
lots of less than 500 million units 1,000,000 units. .23½- —
350,000 to 450,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .20½- —
less than 500 million units. 1,000,000 units. .24½- —
451,000 or more A units per gm., bots., cns., lots of 500 million units or more 1,000,000 units. .22 - —
less than 500 million units million units. 1,000,000 units. .26 - —

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm. 1,000,000 units. .24 - —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .24 - —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12} vials, 25 100 and 500 milligrams milligram. .98½- —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheat-germ).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls lb. 1.50 1.75
Tree bark, bls lb .55 .75
Wattle bark, fair average, or E Afr., bgs., ex dock ton. 67.50 - —
merchantable, bgs., ex dock ton. 65.00 - —
extract, liquid, 35% tannin, bbls., works lb. .07½- .08
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .07½- —
S. Afr., 62% tannin, ex dock, duty extra lb. .07½- —
Wax, amorphous (see Wax, microcrystalline)
Bayberry, bgs., spot lb. .44 - .45
Bees, bleached, USP, bricks, cs. lb. .62 - .63
slabs, ngs lb. .61 - .62
crude, African, bgs lb. .44 - .47
Brazilian, bgs. lb. .50 - .53
East American, ogs lb .48 .50
refined, yellow, bricks, cs. lb. .52 - .53
slabs, bgs. lb. .51 - .52
Candelilla, crude, bgs lb. .46 - .47
refined, bgs lb. .49 - .50
powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh 6c
Carnauba, chalky, bgs., ton lots lb. No stocks.
North Country, No. 2, ton lots lb. .78 Nom.
No. 3, crude, bgs., ton lots. lb. .75 - .77
refined, bgs., ton lots lb. .78 - .80
yellow, No. 1, bgs., ton lots lb. .96 - .98
No. 2 lb. .94 - .96
Powdered carnauba price differentials same as powdered candelilla.
Japan, bgs. lb. .62 - .67
Microcrystalline, 170°-175° m.p., ASTM, amber, cins., 20,000 lbs., same, bots., cns., dms., lots of 500 million units or more, group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, cins., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, cins., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, black, cins., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
amber, cins., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
white, cins., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, cins., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, cins., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, cins., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —
Montan, dom., black, raw lb. .25 - .25½
refined lb. .31 - .32
imported Bohemian, bgs. lb. .14 - .16
German, bgs. lb. .15 - .17
Ouricury, refined, bgs., ton lots lb. .75 - .77
Paraffin (see P.)
Spermaceti, blocks, cs lb. .24 - .27
cakes, cs. lb. .25 - .28
Sugar cane, crude, imp., bgs lb. .35 - .37
refined, dom., slabs, works lb. .60 - .65
imp., bags, N. Y. lb. .40 - .42
White (see Wax, bd white)
White pine bark, rossed, bls lb. .16 - .19
White precipitate USP powd., dms. 50 lbs lb 2.00 —
Whiting, limestone, dry-grd., 99.5%, 325 mesh, bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ton. 16.00 -30.00
smaller lots, works ton. 21.00 -35.00
Paris white, bgs., c.l ton. 24.00 -31.00
t.c.l. whse. ton. 35.00 -40.00
Precipitated, bgs., c.l ton. 18.00 -20.00
t.c.l. ton. 25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 .07
rossed, bls lb. No prices.
thin, natural, bls lb. .13 - .16
rossed, bls lb. .16 - .17
Wild indigo root, bls lb .30 .31
Wild yam root, bls lb .16 .17
Witch hazel leaves, bls lb. .23 - .25

Woodflour, 40 mesh, bulk, c.l., works, East ton 32.00 - —
l.c.l., same basis ton 40.00 - —
60 mesh, bulk, c.l., same basis ton 37.00 - —
basis ton 37.00 - —
l.c.l., same basis ton 45.00 - —
80-100 mesh, bulk, c.l., same basis ton 40.00 -45.00
l.c.l., same basis ton 50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs. lb. .13 - .14
Levant, bgs lb. 4.15 4.25
Wormwood leaves, bls lb. .35 - .45

X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt. equald lb. .193 - —
l.c.l., same basis lb. .196 - —
tanks, same basis lb. .18 - —
45°-47°C, dms., c.l., frt. equald lb. .153 - —
l.c.l., same basis lb. .156 - —
tanks, same basis lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis gal. .91 - —
l.c.l., same basis gal. .94 - —
tanks, same basis gal. .80 - —
Meta fraction, over 7°C., dms., c.l., same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
Xylidins mixed, dms lb. .45 .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa gal. .27 - —
Birmingham district gal. .24½ - —
Chicago district gal. .27½ - —
Cleveland district gal. .27 - —
Lone Star, Tex. gal. .25 - —
Geneva, Utah gal. .19¾ - —
Hamilton, Ohio gal. .26 - —
Johnstown, Pa gal. .25 - —
Lackawanna, N. Y. gal. .27 - —
Lorain, Ohio gal. .25½ - —
Minequa, Colo. gal. .27 - —
Philadelphia, Pa. gal. .27 - —
Pittsburgh district gal. .24 - —
Sparrows Point, Md. gal. .27 - —
St. Louis, Mo gal. .28 - —
Syracuse, N. Y. gal. .24½ - —
Terre Haute, Ind. gal. .27 - —
Wyandotte, Mich gal. .27 - —
Youngstown, Ohio gal. .24½ - —
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y. gal. .30 - —
Bayonne, N. J. gal. .30 - —
Baytown, Tex. gal. .28 - —
Chicago, Ill. gal. .30 - —
Detroit, Mich. gal. .30 - —
Philadelphia, Pa. gal. .30 - —
Providence, R. I. gal. .30 - —
Wood River, Ill. gal. .28 - —

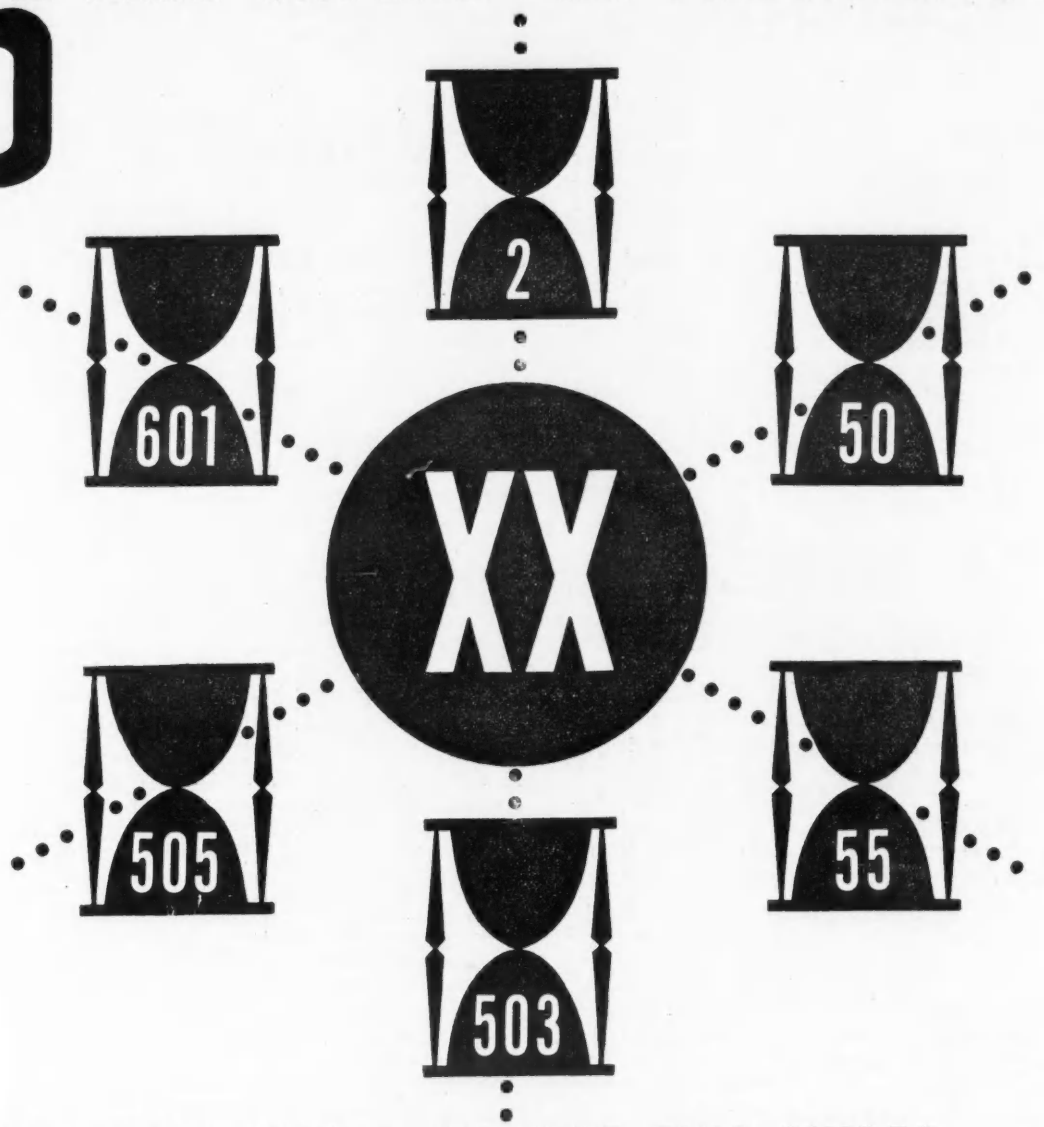
Y

Yara, yara, cns lb. 2.00 - 2.25
Yeast, brewer's dry, USP, 50 B units per gram, 100-lb. dms lb. .44 - .46
80 B units per gram, 100 lb. dms lb. .49 - .51
200 B units per gram, 100 lb. dms lb. .53 - .55
300 B units per gram, 100 lb. dms lb. .57 - .59
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .30¼ - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below
Benzidin, bbls., dlvd lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld, E. of Rockies lb. 2.65 - —
Lithopone all shades, bbls., frt alld, E. of Rockies lb. 1.02 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse l.c.l. per lb. higher.
Chrome, CP, bbls., dlvd, N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock apolis, Rock Island lb. .25 - —
Dlvd. Ala., Fla., Ga., La., (Shreveport) 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
l.c.l., works lb. .0166- .0275
French type, bgs., c.l. lb. .04½ - —
l.c.l. lb. .04¾ - —
Peruvian type, bgs., c.l. lb. .0165- .0210
synth, bgs., c.l. works lb. .09 - —
l.c.l. works lb. .09¼ - —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots lb. 1.95 - —
Ocher, American golden, bgs., works lb. .01¼ .02¾
Zinc, bbls, same basis as chrome lb. .21 - —
Yellow dock root, bls lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb. .28 - .30
Yohimbine hydrochloride vls. oz. 3.25 4.00

Z

Zein, bgs., 36,000 lbs., works lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots works lb. .35 - —
Zinc acetate, tech., bbls., dms lb. .26¼ - —
NF, dms. lb. .41 - —
Borate, bgs., c.l., dlvd. E lb. .17½ - —
l.c.l., dlvd. E lb. .18½ - —
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubber makers', bgs., works lb. .10¾ - .11¼
precipitated, powd., dms. lb. .26 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 7.70 - —
l.c.l., works 100 lbs. 8.10 - —
gran., bbls., c.l., works 100 lbs. 8.45 - —
l.c.l., works 100 lbs. 8.85 - —
solution, 50%, dms., c.l., works. 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 4.35 - —
tanks, works 100 lbs. 3.60 - —
NF, gran., dms lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works lb. .422 - .442
Dust, bbls., c.l., works lb. .1225- —
dlvd. lb. .1250- —
l.c.l., works lb. .1260- .1325
Fluoride, bbls., works lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .17¼ - —
l.c.l. lb. .17¾ - .19¾
Iodide, NF, jars lb. 4.85 - —
Zinc, laurate, bbls lb. .45 - .46
Linoleate, solid, 9½%, bbls lb. .42½ - —
Metal, slabs, E. St. Louis lb. .15 - —
Naphthenate, liquid, 8% Zn., frt. alld lb. .20¼ - —
10% Zn, dms., frt. alld lb. .26 - —
Oleate, fused, bbls lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd. lb. .14 - —
l.c.l., dlvd lb. .15 - —
American process, com'l, lead-free, bgs., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
leaded, 5%, bgs., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
35%, bgs., c.l., dlvd. lb. .13½ - —
l.c.l., dlvd lb. .14½ - —
50%, bgs., c.l., dlvd. lb. .13¼ - —
l.c.l., dlvd lb. .14¼ - —
French process, com'l, lead-free, bgs., c.l., dlvd. lb. .16¼ - —
l.c.l., dlvd lb. .17¼ - —
green seal, bgs., c.l., dlvd lb. .15¾ - —
l.c.l., dlvd lb. .16¾ - —
red seal, bgs., c.l., dlvd. lb. .15¼ - —
l.c.l., dlvd lb. .16¼ - —
white seal, bgs., c.l., dlvd lb. .16¼ - —
l.c.l., dlvd lb. .17¼ - —
USP, ctns., c.l., dlvd lb. .17¼ - —
l.c.l., dlvd lb. .18¼ - —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphate, dms. lb. .36 - —
Resinate, fused, 1% Zn, dms., frt alld lb. .20 - —
precip., dms., frt. alld lb. .22½ - —
Silicofluoride, bbls., works lb. .10 - .10½
Zinc stearate, tech., USP, ctns., c.l., lb. .34 - —
ton lots lb. .35 - —
less ton lots lb. .36 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs. 6.15 - —
l.c.l., same basis 100 lbs. 6.55 - —
flake, 25½% Zn, bgs., c.l., works, dlvd 100 lbs. 4.80 - 5.35
l.c.l., works 100 lbs. 5.75 - 8.25
powdered, 36% Zn., bgs., c.l., dlvd., same basis 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.00 - —
Zinc sulphate in bbls. 40c higher
USP, gran., dms lb. .23 - .23½
Sulphide, pure, bgs., c.l., dlvd. lb. .20 - —
l.c.l., dlvd lb. .21 - —
Barium pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd lb. No prices.
Calcium, pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd lb. No prices.
Luminescent pigment, dlvd lb. No prices.
Magnesium pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd lb. No prices.
Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Thionosulphonate, NF, gran., bbls., dms lb. .33 - 34
powd., bbls lb. .36 - 37
Undecylenate, dms lb. 1.90 - 2.00
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l. works 100 lbs. 7.35 - —
l.c.l., works 100 lbs. 7.75 -10.25
Zinc-cadmium sulphide, fluorescent, cns., frt. alld lb. 2.00 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1385
l.c.l. same basis lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works lb. .21½ - —
normal, dms., works lb. .43 - —
Zircon (see Zirconium silicate).
Zirconium acetate 13% sol. ZrO_2, bbls. works lb. .21¼ - —
Carbonate, basic, cake, bbls., works lb. .30½ —
Hydride cns., works lb. 7.00 8.00
Nitrate, dms., works lb. 1.75 —
Oxide, 98½-99% white, grd., bbls. or bags, works lb. 1.50 - —
lump electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works lb. 4½ - —
1 ton or less works lb. .45 .48
milled, electric-fused bgs., c.l., works lb. .59 —
5 tons works lb. .59½ - —
1 ton or less, works lb. .60 .63
Oxychloride, cryst., ctns., 5 tons, works lb. .29½ - —
Silicate, granular, bgs., c.l., works. lb. .03¼ - .03¾
10 tons works lb. .03½ - .04
5 tons, works lb. .04 - —
1 ton or less, works bl. .04¼ - .04¾
milled, bgs. c.l., works lb .04¾ - —
5 tons, works lb. .05¼ - —
1 ton or less works lb .05¾ .06¾
refined, bgs., c.l. works lb. .11 - —
works lb. .11 - —
5 tons, works lb. .11½ - —
1 ton or less, works lb. .12 .16
Sulphate, cryst., ctns., c.l., works lb. .37½ - —
5 tons, works lb. .38 - —
1 ton or less, works lb .38¼ .39

6 TIME SAVERS FOR FORMULATORS



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Take It As It Comes

The acceptance by the United States of its responsibilities and duties as a member of the peace force of the world should not be an economically disturbing factor. The fact that the announcement of President Truman's decision threw stock-trading into dithers is but evidence of the peculiarities of the mental and physical functioning of human beings. Far too many had but recently been all pepped up by the declarations, almost simultaneous, of the Secretary of Labor and a Harvard professor of economics that there would never be another business bust of the 1929 type in the United States. That which is easily inflated—or elated—is just as easily deflated—or depressed.

The decision of the United States to police Southern Korea should be taken as evidence that this country has not become wishy-washy. It is evidence that, whatever may be officialdom's assumption of the role of remedier of social complaints, it is not an adherent of the mongrel socialism which is pushing its way about the world. That should be encouraging for private enterprise in the true sense of the term, whatever it may do to those who make a living trying to outguess other people.

These are days for calmness and common sense of the unfortunately all too uncommon type. It is not a time for running out on the nation's needs nor for planning to profit unduly therefrom. The United States is accepting its responsibilities and performing its concomitant duties. Business should do just that—and with much more promptness.

Business for Business

Approval by congress of an additional $2,000,000,000 for the supporting of prices of farm products can be expected to add more stimulation to the similar politicomic promotion of governmental financing of small business. It is quite natural that those in other businesses should expect from government the same treatment as is provided for those in the business of farming. It is, of course, impossible to construct for other businesses any sort of price-support plan which would be even as workable as is that for farm products. So, those who buy votes with other people's money approach small business with a different plan. It is every bit as much an entering wedge for eventual government control.

A mortgaged enterprise cannot be free. But, if the holder of the mortgage is a private enterpriser, the mortgagor's lack of freedom is but a matter of business obligation. Not so when he is mortgaged to the government: there is then a reversal of the basic relationship of a people and its government, and the obligation carries with it a connotation of ideological regimentation which cannot be escaped. True, a private mortgagee can, and often does, take over or sell out the property of the mortgagor. But the holding is still private. When government must foreclose, private enterprise all too often is sold down the river, because those who will accept government support, mortgaging a birthright, are of a kind who will, because largely they must, accept also government quotas and other restrictions, government orders, and eventually, government control.

It is simple to argue that government has not taken over even that portion of the agriculture of the nation on which it has a mortgage. In fact, it has adopted a method quite contrary to foreclosing: it pays the farmer to maintain the value of the collateral. But, that could not be the method, in CCC or RFC variety, applied to deficit-financed small business—and conceivably applicable in some of the larger areas of existing government lending. There are those in, at least, the advisory circles of politicomical practice who will overlook no opportunity to show big business what competition can be—with taxpayers paying the freight.

Private resources are fully adequate to any sound job of financing small business. One private lending plan is reported to have provided about $3,000,000 in the past six months, in sums of from $25,000 to $250,000. Perhaps 10,000 banks are participating in those plans. They know what they are doing—they have to: bank examiners are tougher than congressional committees when concerned with the how-come of financial deals. Business will be wise, especially over the long term, to keep its funding to itself. Failures add much to the national cost; but they take nothing from the national structure under the private system.

War of Extermination

A war has been declared which calls for all the planning and practicing ability of all who are qualified to take part in it. It is the drive launched last week by the City of New York to rid itself of the 15,000,000 rats with which it is said to be infested. A commander-in-chief has been appointed, with virtually unlimited powers. But, that does not give him authority to order the pesticidal facilities of the area into action. There must, and there should, be 100-percent volunteering in that connection.

Wars on rats—in any sense of the term—have never been especially successful. The damage done by those strictly of the rodent family is so enormous that their extermination offers a strong appeal to American efficiency. That appeal is particularly strong in New York which is reputed to have twice the national per capita average of rat population. When one takes thought of the size of the monetary loss alleged to be inflicted annually by rats on farm crops, New York's oversize infliction must be costly indeed.

The city's budget for the 1950-1 fiscal year contains an item of $500,000 for a block-by-block campaign against rats. That is five times as much as was appropriated in the preceding year, which is one reason for the special organization of this year's campaign. The fund is not big enough to carry through alone. Its potentialities must be reinforced by a goodly measure of voluntary fighting.

Some reputedly efficacious new weapons have recently been added to the armament of rodenticidal activities. It is to be hoped that those who know how to use the new arms will not look upon the New York campaign as something for the "regulars," the heads and employees of the city departments involved, but will volunteer to do their best as allies. Rats are a community plague. Their extermination should be accepted as a communital service in which all who can do something should join.

For the Bookshelf

THE GENERAL REPORT OF THE PHARMACEUTICAL SURVEY 1946-49. Edward C. Elliott, Director. Cloth; xix+240 pages. Washington: American Council of Education. $6.

The ACE survey of pharmaceutical education was a big job. It was well done. This is the story of it and—what is of particular moment—of the implementing plan directed to its findings and conclusions. The needs of pharmaceutical education in itself and the educational needs of the profession of pharmacy and the drug industry are clearly presented by Chairman Charters and Director Elliott. A clear program has been charted for those areas. Those who provide and those who have use for pharmaceutical education have here a blueprint that needs only determination and work to make it effectual. But, as Dr. Elliott thoughtfully says: —"Eternal vigilance and energetic, large-scale action are required to protect pharmacy from becoming an enterprise without full shares of professional responsibility and freedom . . . Vigorous offensive action is clearly indicated if pharmacy is to maintain a recognized ranking position among the health professions."

These are the matters with which this report has to do:—(1) The pharmaceutical survey, (2) American pharmacy, (3) the educational system, (4) the student quality, (5) the pharmaceutical curriculum, (6) the prescription study, (7) professional licensure, (8) alumni data and reaction, (9) pharmacy in action, (10) retail pharmacy projects. Those considered, the report presents the findings and recommendations of the survey—a collection of eleven subjects, all of them important; with a summary of evidence, a statement of the problem, and recommendations in respect of each.

Washington Talks It Over

—*Continued from page 5*

eign Agricultural Relations, that a move is on foot by the Indian dairy farmers to make it a criminal offense either to manufacture or to import a product known as "vanaspati," a hydrogenated vegetable oil product. The ghee industry (Indian soft butter produced from milk) claims that vanaspati is being palmed off on the public as ghee, so the vanaspati industry should be put out of business.

The vanaspati industry has grown rapidly from a small beginning in the early 1930's and by 1948 there were twenty-six factories in operation, which sold some 140,000 short tons of the product. As the vanaspati industry grew, the opposition mounted, until now the parliament has a bill under consideration that would wipe it out. The vanaspati producers have taken a tip from the American oleomargarin industry and are fighting back with a publicity campaign extolling the merits of vanaspati and denying the allegations that the product is injurious to health.

'Cool Oil' for Mosquitoes

In a recent review of use of petroleum oils in controlling mosquitoes, H. H. Stage, mosquito specialist of the Department of Agriculture, recalls the first official recommendation of this method by the late Dr. L. O. Howard, pioneer in this field. Dr. Howard, later chief of the entomologic work of the department, was widely known also for his campaign against the housefly as a carrier of disease.

"It is well known," says Mr. Stage, "that Dr. Howard's pioneer experiments on the use of kerosene against mosquito larvae were published in 1892. It is not so well known, however, that, in 1867, he observed how 'illuminating oil' killed mosquitoes when he accidentally spilled some oil while filling a lantern, over a horse trough infested with wigglers.

"When called upon, years later, to devise a means of killing mosquitoes, he remembered this incident on his father's farm in his early boyhood, and so performed the experiments that led to universal use of petroleum oils as mosquito larvicides."

Government Reorganization Slow

Although government reorganization has made some progress, there is still much more remaining to be accomplished. Sixteen of the twenty-seven reorganization plans submitted to congress this session are now effective; five have been vetoed by the senate; and six are still pending.

The sixteen plans which have gone into effect represent in all cases "efficiency" actions and hold very little, if any, promise of "economy." Important Hoover Commission reports, involving an estimated $2,000,000,000 a year in savings, still lie in the lap of congress. Bills to put them into effect have been pending in most cases for more than a year, with but little sign that they will be acted upon.

There is very little in the way of real economy that can be accomplished in presidential reorganization plans. Basic reforms in federal medical services, the handling of veterans' affairs, the Post Office Department, and other areas of enormous federal spending require new substantive law which must be enacted by congress.

Iodine Toxicity Research

The military use of standard iodine compound for individual disinfection of drinking water in canteen quantities has been recommended as the result of a recent joint army-navy research project at Majure Atoll in the Marshall Islands. Medical research officers found that compounds releasing free iodine in concentrations of eight parts per 1,000,000 were highly effective disinfecting agents, and produced no ill effects among personnel using water thus treated.

The controlled research study, which continued over a period of six months, was conducted on the Pacific atoll because toxic effects are more readily apparent under tropical conditions. The entire military and native population of Majuro, totaling approximately 220 persons, participated in the prolonged research project.

Although iodine had been used previously for disinfecting water, no conclusive studies had been recorded as to its toxicity when consumed in diluted amounts by humans over an extended period of time in a tropical climate. As a result of the experiment, it is being recommended that the armed forces adopt and standardize a compound releasing free iodine for individual disinfection of drinking water in canteen quantities.

Radioactive Study of Crops

The Department of Agriculture, in cooperation with the Atomic Energy Commission, is building a specially designed greenhouse at the Beltsville, Md., Plant Industry Station, for research in plants and soils with radioactive isotopes. The new building will cost about $250,000 and will permit an expansion of the investigation work with radioactive elements.

One of the important peacetime projects made possible by atomic energy, this research will provide new and valuable information on many fundamental aspects of soils and plant nutrition. Studies using radioactive prosphorus have already established basic facts showing how different crop plants make use of this element in varied types of soils.

Heavy Chemicals

Chemical index advanced to 223.4 last week from 219.0 in the preceding period. There were twenty six price advances recorded for July 1 and one decline, metallic lead. The advances will be found in the occompanying box. The upward revisions were primarily the result of mounting producing costs which manufacturers were unable to absorb. The breakdown includes higher priced freights, crude materials, labor, containers and servicing charges.

General consuming demand remained active over the turn of the month but the supply position of soda ash, caustic soda, chlorine, caustic potash and potassium carbonate has been seriously disturbed by the continuance of a strike at three units of a major producing plant. Surplus stocks of caustic soda have been rapidly absorbed while soda ash and all chemicals affiliated with this base have tightened. Other disturbing influences have been the switchmens' strike which has tied up several western railroads and the current war scare which had more visible effects on the stock market than on chemicals. While battery acid recorded an advance there was a strong feeling in other grades of sulphuric acid and a similar condtion prevailed in muriatic acid. Late in the week activities slowed down to some extent and the market showed the usual effects of holiday influences.

Paper production based on a percentage of six-day capacity was 104.2 percent for the week ending June 24, according to the American Paper and Pulp Association. This compared with 102.5 in the preceding week and 77.0 for the corresponding week in 1949.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Barium Carbonate—Precipitated 99 percent advanced $7.50 per ton to $80 in bags, carlots, works freight equalized with recognized competitive points. The l.c.l. price is $10 per ton over the carlot figure.

Barium Chloride—Crystals priced higher at $100 per ton and anhydrous $135 per ton in carlots works. Prices for l.c.l. are $10 per ton higher.

Calcium Carbide—Production of commercial in April totaled 54,837 tons, compared with 59,336 in the preceding month and 50,763 tons in April last year. Sales are averaging well above a year ago. Standard generator size drums are held at $121 per ton delivered.

Calcium Phosphate—April production of monobasic was 2,974 tons, against 3,712 in March. Output of dibasic amounted to 6,471 tons in April, compared with 5,187 in the preceding month.

Calcium Chloride — Priced higher. Flaked 77-80 percent in 100 pound bags now $23.50 per ton, 25 pound bags $33.50 and 400 pound drums $28.50 per ton. Solid 73-75 percent in 100 pound bags $25.50 per ton and $30.50 in 400 pound drums. Powdered 77-80 percent in 100 pound bags $29.50 per ton and $34.50 in 350 pound drums. All prices f.o.b. the works, freight equalized with recognized competitive points. Liquid 42½-45 percent in tankcars—10,000 gallons—$9.75 basis 40 percent f.o.b. works.

Carbon Tetrachloride—Available stocks have been rapidly absorbed and supplies are definitely short at present with some producers finding it necessary to allocate material. While carlot prices in the East have not been changed, the l.c.l. price has been advanced to 9.10c. per pound for drums and to 9¾c. in the West. Tanks in the East are priced at 7¼c. and at 8¼c. in the western area, freight allowed. Heavy demand from the dry cleaning trade as well as from industry combined with the current shortage of chlorine are factors contributing to the tight situation in carbon tetrachloride.

Chlorine—Prices advanced 15c. per 100 pounds. Single unit tankcars now $2.55 per 100 pounds. Multiple units (45 tons) 3 cars or more per year to one destination, contract customers only, $3.05; two cars, same basis, $3.65; one car, $4.25. Multiple units less than 15 tons per year $4.60. All prices f.o.b. the works. Demand exceeding current production, supply exceedingly tight.

Copper Sulphate—Market strong with supply situation definitely tight at the turn of the month. Production has made no appreciable gain on shipments which are still running six weeks behind schedule. Demand has continued active for industry, agriculture and export with stocks insufficient to level off requirements.

Glauber's Salt—Production in April totaled 15,670 tons, compared with 17,698 in the preceding month and 12,170 tons in April last year.

Methyl Chloride—Refrigeration grades have been advanced as follows:—140 and 100 pound cylinders, 39c. per pound; 60 pound cylinders, 40c., and 15 pound cylinders, 48c. per pound, f.o.b. works. Multi-unit and single unit tankcars will be advanced July 15.

Nickel Sulphate—Buying interest has continued steady enough to keep the supply position relatively tight. Platers have shown more interest since the market registered its recent advance.

Potash, Caustic — Cutback production has kept the supply situation exceedingly tight. Higher prices are now effective for the regular grades. The new works prices per 100 pounds in carlots, large packages, are as follows:—Solid, $7.90; flaked, $8.50; broken, $8.75, and crushed, $8.25. Walnut in l.c.l. lots, $10.65; liquid, tankcars, $3.55, basis 45 percent; drums, $3.875, flat, tankwagons in New York city area, $4.65, and in Philadelphia area, $4.775.

Potassium Carbonate—Available stocks definitely short with prices advanced. Calcined at the works in large containers, carlots, per 100 pounds, is priced at $8.25, and hydrated at $6.75. Liquid in tankcars, $3.35; drums, $3.675; tankwagons, $4.45 in the New York area and $4.325 per 100 pounds in the New England area.

Soda Ash—Market advanced 10c. per 100 pounds. Light ash 58 percent in bulk now priced at $1.10 per 100 pounds bulk in carlots, paper bags $1.35, barrels $1.85. Dense ash, bulk, carlots $1.20 per 100 pounds, paper bags $1.45 and barrels $1.95. All prices f.o.b. the works. Market supply tight as a result of cutback production occasioned by labor difficulties.

Soda, Caustic—Solid and flaked 76 percent advanced 15c. per 100 pounds. Producers quote drums in carlots at $3.20 per 100 pounds for solid and $3.60 for flakes f.o.b. the works. No change in liquid. Demand steady with surplus stocks disappearing rapidly on account of cutback production.

Sodium Metasilicate — Pentahydrate priced higher at $3.50 per 100 pounds in bags, carlots, works, and at $3.90 to $6.40 for less, depending upon quantity. Barrels in carlots, $3.90 and l.c.l. $4.30.

Sodium Nitrite—Priced higher at $7.25 per 100 pounds in 425-pound barrels, carlots, and at $8.75 for l.c.l. Prices f.o.b. works, freight equalized, with recognized competitive points.

Sodium Phosphate — Production of meta in April was 2,755 tons, against 2,686 in March and 2,677 tons in April, 1949. April output of tetra was 7,048 tons, compared with 7,143 in the preceding month and 5,568 tons in April last year. Production of acid pyro was 701 tons in April against 584 tons in March.

Sodium Silicate — Prices f.o.b. works

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Barium carbonate, $7.50 per ton.
chloride, $10 per ton.
Battery acid, 40c. per 100 lbs.
Calcium chloride, $1.50 per ton.
Carbon tetrachloride tech., l.c.l., 45c. per 100 lbs.
Chlorine, tankcars, 15c. per 100 lbs.
Lactic acid, edible, 2c. per lb.
Methyl chloride, refrigeration, cylinders, 2c. per lb.
Potash caustic, 35c. per 100 lbs.
Potassium carbonate, calcined, 45c. per 100 lbs.
hydrated, 50c. per 100 lbs.
Selenium, 25c. per lb.
Soda ash, 10c. per 100 lbs.
caustic, dry forms, 15c. per 100 lbs.
metasilicate, 25c. per 100 lbs.
nitrite, ½c. per lb.
phosphate, tetrabasic, 15c. per 100 lbs.
silicate, 5c. per 100 lbs.
stannate, .05c. per lb.
sulphite, 50c. per 100 lbs.
Sulphur dioxide, refrigeration, 2c. per lb.
Tin, crystals, ½c. per lb.
metal, 1c. per lb.
Zinc chloride drums, 70c. per 100 lbs.
chloride, tankcars, 35c. per 100 lbs.
sulphate crystals, 55c. per 100 lbs.

Prices Reduced

Lead, metal, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	July 1, 1949
223.4	219.0	216.8	216.4	222.4

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	July 1, 1949
121.9	121.9	121.9	121.8	122.0

(*For Current Prices see Page 9*)

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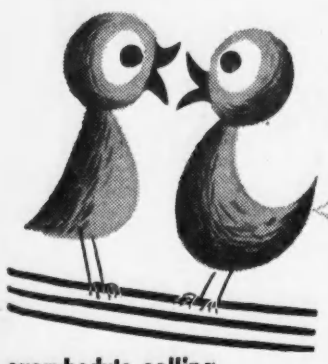

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were advanced 5c. per 100 pounds on liquid. This will have the effect of advancing the tankcar price from 80c. to 85c. per 100 pounds; the carload price on solid silicate from $40 to $42.50 per ton, and carloads of granular in bags from $3.25 to $3.50. Production was higher in April at 41,300 tons, compared with 38,693 in March and 32,579 tons in April, 1949.

Sodium Sulphite — Crystals have advanced 50c. to $4.10 per 100 pounds in bags, carlots, works. The l.c.l. price range is from $4.50 to $5.75. Barrels are held at 40c. per 100 pounds over the bag figures.

Sulphur Dioxide—Refrigeration grades have been advanced. The new schedule calls for 20c. per pound in 150 pound cylinders; 21c. in 100 pound cylinders; 24c. in 70 pound cylinders and 36c. in 25 pound cylinders.

Zinc Chloride—Priced higher as a result of increase producing costs. Technical fused in drums now held at $7.70 per 100 pounds in carlots and $8.10 in less; granular in barrels $8.45 in carlots and $8.85 in less, solution in 50 percent in drums $4.25 in carlots and $4.85 in less, tankcars $3.25 per 100 pounds. All prices f.o.b. the works.

Zinc Sulphate—Crystals have been advanced to $6.15 per 100 pounds for the 22 percent grade in carlots and $8.10 for l.c.l. f.o.b. the works. The powdered grade is in short supply at present owing to an active agricultural demand.

Acids

Chromic—Buying interest steady with prices firm. Platers are constantly in the market and are keeping their inventories fully up to working levels. The supply situation has continued comfortable.

Lactic—Edible 50 percent, 20 or more barrels priced higher at 18c. per pound with smaller lots held at 18½c. to 19c. per pound. The price range for 80 percent for 5 barrels or more is 33.2c. to 33.7c. Other grades remained unchanged. All prices f.o.b. works.

Phosphoric—Market position firm and leaning toward the tight side. April production amounted to 124,625 tons including 69,029 tons made from phosphorus and 55,596 made from phosphate rock. March output was revised to 126,954 tons and in April 1949 production registered 108,045 tons.

Sulphuric — Consuming demand active and broad enough to absorb production readily. The price position is strong with the present trend upward under the maintenance of heavy consumption and high producing costs. Battery acid is priced higher at $2 per 100 pounds in carboys, carlots at $2.30 and up in less, f.o.b. the works.

Nonferrous Metals

Aluminum—Ingot output at secondary smelters in March increased slightly but not in proportion to the longer month, according to the Bureau of Mines. Production totaled 11,497 short tons from the 12,332 tons of aluminum-base scrap consumed. Increased consumption of plant scrap was nearly offset by the decline in items classified obsolete scrap. Although over-all consumption gained, decreases in new cast scrap and irony aluminum comprised the greatest changes in the general use pattern. Total scrap inventories declined approximately 4 percent to 11,835 tons in March.

Larger shipments of aluminum-base scrap from Japan, Austria, Belgium and Luxembourg, Switzerland, and United Kingdom resulted in net imports increasing to 5,141 tons, despite smaller quantities received from Netherlands, France, and the Free Territory of Trieste. Exports of borings, turnings, and dross totaled 77 tons and scrap solids, 16 tons.

Copper — Market position firm with

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trading restricted on account of short available stocks. Supplies for July heavily under contract. Electrolytic priced at 22½c. per pound delivered valley basis.

Productions of secondary copper products by each of the three principal groups consuming copper-base scrap increased about 11,000 short tons in the first quarter of 1950, according to the Bureau of Mines. Output of the brass mills increased from 90,299 tons in the fourth quarter of 1949 to 101,009 tons in the first quarter of 1950; production of the secondary copper smelters, chiefly brass ingot, rose from 66,291 tons to 77,034 tons and that of the primary refiners, largely refined copper, from 38,639 tons to 49,588 tons. Total secondary output of all consumers except foundries was 229,228 tons in the first quarter of 1950, 3,331 tons less than in the same period of 1949 which was the quarter of highest production in that year. Output of composition ingot, comprising 37 percent of the total brass ingot production, was 26,129 tons and was greater than for any quarter of 1949.

Lead—Price reduced to 11c. per pound for prime western New York and 10.80c. St. Louis. Buying interest slowed down. Importations and intimations that government purchases will be curtailed had a tendency to weaken the market.

Quicksilver — Tone somewhat steadier but prices unchanged. War scare caused slight increase in interest. Round lots, 100 flasks or over, quoted at $70 per flask. Smaller lots $73 to $75.

San Francisco—Inquiry continues on the quiet side with metal quoted at $72 per flask.

Selenium—Priced higher at $2.25 per pound in cases, 1,000 pound lots and at $2.35 in cans, 10 pound lots. Demand has been steadily increasing for this material and available stocks have been reduced. Manufacturers of television sets have been mainly responsible for the increased consumption.

Silver—continued steady over the turn of the month but without new development. At New York, 72¾c. per ounce was named for bullion.

Tin—Priced higher at the close after showing an irregular movement from 77c. to 78⅜c. per pound for grade A. Most of the sales were reported at 78c. per pound.

Total new supply of tin metal in April was substantially below normal due to our low imports of tin. May imports of tin metal jumped to a record high of 11,029 tons, with at least 2,000 tons of that figure received in the first few days of the month, making the average for April and May approximately 6,900 tons which compares favorably with the first quarter average for 1950. Imports of concentrate continue at a slow pace with only 1,392 tons received in April or less than half of the normal average for the last two years. It is apparent that our imports of concentrate will remain below normal until such time as a contract is negotiated with Bolivia whose present shipments to the U.S. are negligible.

Zinc — Quiet with July production heavily under contract and some sales reported for August. Prime western priced at 15c. per pound East St. Louis basis.

GE Coshocton Laminated Plastic Operation Halted

General Electric Company's chemical department has discontinued the manufacture of laminated plastics at the Coshocton, Ohio, plant of its laminated and insulating products division. The operation, which produced fabricated parts for industry from General Electric laminates, has been sold to the General Laminated Products, Inc., which has plants in New York and Chicago, Ill. General Electric, however, will continue production of laminates in the form of sheets, tubes and rods along with the manufacture of laminated plastic surfacing materials and custom molded laminated products at Coshocton.

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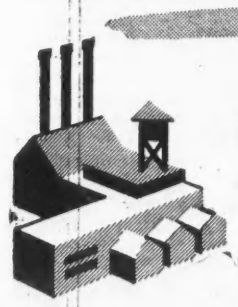
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Textile and Leather Chemicals

Higher prices became effective July 1 for sodium and zinc hydrosulphite and sodium and zinc formaldehyde sulfoxylate. These materials were advanced 1 cent per pound due to the increased cost of zinc dust and soda ash. Other tanning chemicals were unchanged and steady.

Trading continued at a moderate pace in textile and leather chemicals last week. Prices were well held. Corn dextrin and starch were raised 10 cents per 100 pounds effective July 5. Demand for potato starch was still spotty, though consumers absorbed larger quantities for immediate requirements. Supplies at mills were closely held at current quotations. Sago flour was scarce on spot and prices were strong at the recent advance, reflecting the higher cost of replacements. Tapioca flour was quiet. Egg albumen was steadier and the technical grade was advanced 2 cents per pound under improved demand.

Cattle leather production in April was indicated at 1,353,000 hides, compared with 2,115,000 in March, according to Tanners Council. Calf and whole kip skins totaled 816,000 against 902,000 in March; goat and kid skins, 2,821,000, compared with 3,514,000 and sheep and lamb skins, 2,625,000 against 2,566,000.

Production and Marketing Administration of the U. S. Department of Agriculture has announced that the cotton export program is being continued beyond the present fiscal year. The current export subsidy rate of 10 cents per bale covering sales for export, of which notice is received by the New Orleans PMA Commodity Office in accordance with the provisions of the program, will also remain in effect.

Chemicals

Bichromates—Business was fairly active, though confined to prompt delivery. Prices of all grades were maintained at current levels.

Sodium Formaldehyde Sulfoxylate — Higher prices became effective July 1, advancing 1c. per pound, due to increased cost of zinc dust. Drums were raised to 23c. to 23½c. per pound, delivered, according to quantity.

Sodium Hydrosulphite—The advance of 1c. per pound went into effect July 1. Carlots were lifted to 22c. per pound, drums, and smaller quantities, 22½c. to 24c. per pound, as to quantity.

Sulphonated Oils—Quiet demand was noted for all grades. Quotations were without change and steady for castor, while the decline of the lower cost of tallow was not reflected in the sulphonated grade because of high cooperage and labor costs.

Zinc Formaldehyde Sulphoxylate—Quotations were advanced 1c. per pound, July 1, for both grades owing to increased cost of zinc dust. Basic was quoted at 22½c. per pound and normal, 44c. per pound, drums, works.

Zinc Hydrosulphite—Prices were increased 1c. effective July 1. Carlots were raised to 18½c. per pound, drums, freight allowed and to 18¾c. to 20¾c. per pound, drums for lesser quantities.

Sizing Materials

Corn Dextrin—Good volume of business was noted for immediate delivery. Prices of all grades were advanced 10c. per 100 pounds, effective July 5. Production was sold ahead and moved steadily against standing orders.

Corn Starch—Fair sized lots moved steadily for immediate requirements. Prices were firmer and were advanced 10 cents per 100 pounds, effective July 5. Visible corn supply increased 169,000 bushels to 40,870,000 bushels for the week ended June 24, against 9,892,000 bushels for the same time last year.

Production and Marketing Administration of the United States Department of Agriculture last week announced that 1950-crop corn in the commercial corn area will be supported at 90 percent of the parity price as of October 1, 1950, for producers in compliance with acreage allotments. For the non-commercial corn area an interim average loan rate of $1.05 a bushel was announced. Rates by counties will be issued at a later date. The final rate for the non-commercial corn area will be 75 percent of the commercial area rate. If the loan rate for corn had been computed on the basis of May 15 parity, the rate for the commercial corn area would average about $1.54 a bushel. Price support for the 1949 crop now being marketed averages $1.40 a bushel nationally.

Market Trends

Prices Advanced

Egg albumen, tech., 2c. per lb.
Sodium, hydrosulphite, 1c. per lb.
formaldehyde sulfoxylate, 1c. per lb.
Zinc hydrosulphite, 1c. per lb.
formaldehyde sulfoxylate, basic, 1c. per lb.
normal, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 1, 1949
225.1	223.4	222.8	286.0	317.4

(For Current Prices see Page 9)

Egg Albumen—A steadier tone prevailed in this market and sentiment in the trade is that prices are at the bottom and the next move is likely to be upwards. Business was fairly active for prompt requirements. Edible flake was unchanged and steady at $1.07 to $1.09 per pound, as to quantity. Technical was in good request and firmer at 72c. to 80c. per pound, according to quantity and quality. PMA reported the purchase of 4,408,095 pounds of 1950 dried eggs at 96c. per pound, f.o.b. shipping point, in its report for May 17.

Dried egg production in May reached a peacetime high, totaling 19,051,000 pounds, according to the Department of Agriculture, bringing the total since January 1 to 48,250,000 pounds, compared with 40,882,000 pounds during the first five months of 1949. May dried egg production consisted of 18,405,000 pounds of whole eggs, 411,000 pounds of albumen and 235,000 pounds of dried yolk.

Egg Yolk — This market also was steadier and quotations were unchanged and firm at $1.09 to $1.12 per pound, depending upon quantity. Trading was fairly active for immediate delivery. Chinese yolk was stronger for shipment. Prices on the spot were maintained at 78c. to 82c. per pound, duty paid, as to quantity.

Potato Starch—Inquiry for prompt delivery was reported more active. Business was moderate chiefly for less carlot quantities. Market was unchanged and firm at 5¼c. per pound, carlots, f.o.b. Maine and 5c. Idaho. Stocks at mills were not overabundant and in firm hands. Supplies on the spot were maintained at 7c. to 7½c. per pound, exwarehouse, as to quantity.

Rice Starch—Quiet demand was reported, chiefly for small lots for spot delivery.

Sago Flour—Firm conditions featured this market owing to the strength at primary centers. Offers for shipment were scarce and higher, bringing replacements costs up to 6½c. to 6¾c. per pound, exwarehouse. Business was light and confined to actual needs.

Tapioca Flour—Consuming demand was fairly active but restricted to less carlots quantities for immediate delivery. Market was steady, due to reduced selling pressure from primary centers. High grades were quoted at 7c. to 7½c. per pound, exwarehouse, as to quantity; mediums, 6½c. to 7c. and low, 5½c. to 6c.

Tanning Materials

Chestnut Extract—Trading was slow. Tanners continued to take small lots for actual needs. Imports totaled 1,000 bags at Atlantic ports last week.

Cutch—This market was quiet, but firm. Offers for shipments were maintained at 6½c. per pound, exdock.

Mangrove Bark—Tanners placed an occasional order for prompt needs. South American primary markets remained steady for shipment at prevailing quotations.

Myrobalans—Consuming inquiry was restricted and business of late was confined to prompt shipment to replenish low inventories. Quotations were unchanged and well held.

Quebracho Extract—Trading continued spotty and lacked volume. Tanners continued to limit trading to prompt shipment. Quotations at primary centers well held at former levels. Arrivals at New York were reported at 8,540 bags last week.

Wattle — This market continued firm Offers for shipment of bark and extract continued light. Quotations for both materials were unchanged and well held.

For Late Market Developments, See Page 4

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Obituaries

Samuel S. Fels

Samuel S. Fels, president of the soap company which bears his name, died June 23 in Philadelphia. He was ninety years old.

Mr. Fels was born in Yanceyville, N. C., in 1860, the son of Lazarus and Susannah Fels. He started working for Fels & Co., the soap concern founded by his father and brother, in 1881, and became its president in 1914 when it was incorporated as the Fels-Naphtha Company. He introduced naphtha to soap-making, a development which made the company a leader in its field and one of the largest of its kind in the country.

A student of government and American business, Mr. Fels brought out a book in 1933 entitled "The Changing World," which proposed government control of money and banking to guarantee benefits to all levels of society. In 1934 he inaugurated a five-day week without loss of pay, one of the first such moves by an American industrialist, for which he received a special commendation from the N. R. A. Administrator, the late Hugh S. Johnson.

An outstanding philanthropist, particularly in his later years, Mr. Fels was reputed to have donated more than $40,000,000 to various causes and institutions.

George F. Bindewald, who retired last October after thirty-three years with the process division of the Standard Oil Development Company, Linden, N. J., died June 25 at his home in Elizabeth, N. J. He was sixty years of age.

Frederick C. Bradford, superintendent of the Bureau of Plant Industry's Glenn Dale, Md., field station, died June 27 in Washington, D. C. He was sixty-three years old. Mr. Bradford, a nationally-known apple expert, had headed the Glenn Dale station since 1947.

Sam Hagler, vice-president and director of Associated Brands, Inc., and founder of S. Hagler Company, both of New York, died June 28 at his home in Brooklyn, N. Y. He was sixty-eight.

Allen R. Hartzell, associate professor of chemistry at St. Lawrence University and member of that faculty for twenty-nine years, died June 23 in Norristown, Pa. He was fifty-five years of age.

John R. Morron, president of the Atlas Portland Cement Company, New York, for nineteen years until his retirement in 1929, died June 27 in Littleton, N. H. He was eighty-three years old. In 1888 Mr. Morron organized the Diamond Glue Company, serving as its president until 1908.

Richard R. Shinn, with the General Petroleum Corporation for thirty-five years, died June 18 in Los Angeles, Calif. He was fifty-nine. Since 1945 Mr. Shinn had served as the company's general superintendent of production.

Edward M. Skeehan, former vice-president and treasurer of the Barnsdall Oil Company, died June 26 at his home in Van Nuys, Calif. He was sixty-seven years old.

Petschek Named American Key Products President

Viktor Petschek, vice-president of American Key Products, Inc., New York, has been named president of the concern. Edward C. Ablitt will serve as vice-president. Executive changes in the company followed the recent resignation and retirement of H. Richard Barnett, former American Key Products president.

Merchants Chemical Co. Opens Wisc. Warehouse

Merchants Chemical Company, New York, has opened a new warehouse at 1324 East Breuster street, Appleton, Wisc. E. C. Swackhammer, manager of Merchants Milwaukee, Wisc., branch office, will direct operations of the new warehouse, while W. A. Jacobs, who will reside in Appleton, will serve as the company's local representative.

Merchants will operate its own trucks, delivering to Green Bay, Shawano, Oshkosh, Fond du Lac, Neenah, Menasha and surrounding Wisconsin territory. A complete line of industrial chemicals as well as laundry and dry cleaning supplies will be stocked at the new warehouse.

American Alcolac Moves

American Alcolac Company has moved its offices from New York City to Baltimore, Md. The new offices are located at 3440 Fairfield road, the site of the concern's production facilities.

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Agricultural Chemicals

Calcium arsenate prices were advanced last week for the first time since May 30, 1949. The upward revision was attributed to the maintenance of high freight rates. Demand for this insecticide is steadily increasing. There was no easement in the supply of DDT, but all producers had not advanced prices at the close of the week. The scarcity of BHC continued pronounced and the cotton planters have been urgent in their demands for about every insecticide material affiliated with the control of the boll weevil.

Packing-house byproducts did not attract much attention. Absence of buying interest from the feed trade resulted in lower prices for dried blood and tankage, while hoof meal declined under lack of support from the fertilizer trade. The tone of fish meal was easier, although prices were unchanged. Occasional sales of castor pomace were made at former prices.

Ammonium sulphate, both grades, continued tight for July-August shipments. The war scare gave the impression that the army might not ship all of its recent purchases to Korea. Japan was in the market for a sizable quantity of phosphate rock to be held in escrow, but the inquiry attracted no unusual attention. Superphosphate contract prices are being extended over the new fertilizer year. Freight rates to the Far East have firmed up sharply, with space difficult to secure at the present time. Cyanamide, pulverized grade, was reduced in price, effective July 1.

Reports received by the National Fertilizer Association from states having either tax tag or fertilizer sales reporting programs show a higher total equivalent tonnage from January through May of the current year than that reported for the same period of last year. The 13-state total for May—1,109,000 tons—represents an increase of more than 50 percent over May, 1949. This increase places the 1950 cumulative total—for the first time this year—ahead of the corresponding figure for 1949, 6,851,000 tons, compared with 6,630,000 tons. The July-May, 1949-50 total, however, is about 3 percent below that of a year earlier. The southern states' total for May—930,000 tons—was 56 percent higher than in May, 1949, while the 129,000 tons reported by the three midwestern states represent a gain of 19 percent.

Nitrogenates

Ammonium Nitrate—Production reached a new high level in April, according to the Bureau of the Census. The total was 104,009 tons, compared with 94,949 in the preceding month and 93,726 tons in April, 1949. No price changes announced.

Ammonium Sulphate — Inventories of both grades appreciably reduced with production heavily under contract. April output of converters' technical totaled 120,465 tons, against 127,393 in March and 31,553 tons in April last year.

Bone Meal—Continued quiet with the feed trade showing relatively little interest. Former prices remained current.

Castor Pomace—Occasional sales reported on the basis of $30.50 per ton in bags, carlots, works. Offerings and demand both limited.

Cyanamide—Pulverized grade, 21 percent N for mixing, was reduced 30c. per unit effective July 1. The new price is $2.25 per unit of N, bulk works. Other grades are unchanged.

Dried Blood—Priced lower at $6 per unit of ammonia New York and $5.75 Chicago. Market situation quiet.

Fish Meal—Tone of the market easier owing to absence of important buying interest. In the Baltimore area, $130 per ton was named for spot menhaden with the possibility of shading this figure on a firm offer. Scrap was unchanged at $122.50 per ton.

Hoof Meal—Sellers' views were lower with stocks available at $6.25 per unit of ammonia with buyers showing no apparent interest.

Sodium Nitrate—Market situation quiet with sales holding seasonal dimensions. Prices were unchanged.

Tankage—Priced lower in New York at $6.50 per unit of ammonia. Chicago was unchanged at $7.

Phosphates

Phosphate Rock—It was stated that Japan has asked for bids of 80,000 tons of phosphate rock to be held in escrow. The shipments are to be made from July to September. The inquiry did not attract much attention owing to complications in transactions of this kind. Meanwhile, freights to the Far East have tightened and firmed up appreciably.

Superphosphate — According to trade reports, prices for the 1950-1951 season are being extended on the basis of 76c. per unit Baltimore, Maryland, and 73c. Careret, New Jersey. Not much activity aside from contracts.

Production of fertilizer in Japan remained at fairly high levels in February, 1950. Superphosphate output reached a postwar record of 142,304 metric tons. It rose from 74,725 tons in January as a result of increased imports of phosphate rock. Continued high production of superphosphate probably will be emphasized for some time to make up for losses in recent months when supplies of raw material were low.

Market Trends

Prices Advanced

Calcium arsenate, 1½c. per lb.

Prices Reduced

Cyanamide, pulverized grade, 30c. per unit of N.
Dried blood, 25c. per unit of ammonia.
Hoof meal, 25c. per unit of ammonia.
Tankage, 50c. per unit of ammonia.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 1, 1949
82.2	82.2	82.2	81.6	81.6

(*For Current Prices see Page 9*)

Potashes

Producers are now busy with shipments against contracts and the current movement has been confined mostly to regular consumers. The movement has been steady and not aggravated by labor difficulties. At present it does not look as though the railroad strike will have any serious effects on shipments as the principal line which taps Carlsbad is not implicated in the dispute.

Los Angeles Fertilizer Market

Los Angeles.—A quiet market obtains for inorganic materials with prices unchanged. Organic material is in fair supply with price decreases reported on bone and fish meal. Movements have been nominal for blood meal with some price fluctuation during the week.

Ruling prices were:—Ammonia nitrate, $69.94 per ton, f.o.b. Los Angeles. Canadian material same. Ammonia phosphate, $55.15 per ton for 16/20 grade, f.o.b. Los Angeles. 11/48 grade, f.o.b. Los Angeles at $89.65 per ton. Canadian material. Ammonia sulphate, $49 per ton bagged, f.o.b. Los Angeles. Canadian material same in bags. $2.50 less for bulk. Blood meal, $5.25 per unit of ammonia at source. Bone meal, $67 per ton for imported, steamed, 1/30 meal, f.o.b. Los Angeles. Domestic material, same grade, $75 per ton, f.o.b. Los Angeles. Fish meal, $113.75-$123.50 per ton for 65 percent sardine, f.o.b. Los Angeles. $102-$103 per ton for 60 percent tuna, f.o.b. Los Angeles. Nitrate of soda, $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor, $43 per ton for bulk. Potash muriate, 43½c. per unit, bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 84c. per unit, f.o.b. Trona. Superphosphate, $21.20 per ton bulk, f.o.b. Los Angeles area. $2.50 additional for bags. Triple, $53.50 to $72 per ton for bulk, 47 percent a.p.a., f.o.b. Los Angeles. Tankage, wet rendered, fertilizer grades, $4 to $5 per unit of ammonia at source.

Pesticides

Ordinarily the season reaches its peak by the first week in July, but this year it will be later as planting operations were delayed about three weeks. Meanwhile, the demand for BHC and DDT has exceeded the supply and now calcium arsenate and about every insecticide identified with the bollweevil is being used to control this pest.

Advices from Washington state that the House approved a $2,000,000 fund for fighting spruce bark beetle and pine beetle infestations in national forests of Colorado, Idaho and Wyoming. The appropriation was agreed on recently by a Senate-House conference committee on a deficiency money bill.

Calcium Arsenate — Priced higher to dealers at 11c. per pound in 100 pound drums and at the same figure in 3 and 4 pound bags, carlots. The l.c.l. price is one cent higher except in one pound bags, 24 to the case, where the carlot price is 37½c. and the l.c.l. price 38½c. Under 240 pounds the price is 2c. above the carlot figure. Prices are f.o.b. factory or nearest warehouse point, freight allowed to any regular common carrier destination on lots of 96 pounds or more. The upward revision is attributed principally to the increase in freight rates. Demand

For Late Market Developments, See Page 4

is steadily increasing with the supply position getting tighter.

DDT—Market situation strong with supplies exceedingly tight. All producers have not advanced prices to date and all have their output heavily under contract for the season.

Lead Arsenate—Firm and unchanged with stocks tight and shipments being made direct from production. At present, there is no indication of a change in prices. Bureau of the Census gives April production of acid and basic at 2,347 tons, compared with 2,784 in the preceding month and 813 tons in April, 1949.

Sulphur

Demand heavy with mine shipments moving freely to various consuming industries. Stocks adequate to meet current requirements and prices have continued firm.

Spain's exports of iron pyrites in the first 11 months of 1949 totaled 985,800 metric tons, a decrease of less than one percent from those in the corresponding period of 1948. The value increased 21.6 percent—to 25,648,000 gold pesetas (10.95 gold pesetas equal U.S. $1). Belgium-Luxembourg, the principal customer in 1948, dropped to third place in 1949, after the United Kingdom and Germany. The Netherlands and France followed—the five countries taking 87.3 percent of exports in the 11-month period. United States purchases decreased to 13,194 tons from 32,678 in the first 11 months of 1949.

DuPont Names Carlson To Brush Control Post

Graselli chemicals department of E. I. duPont de Nemours & Co. has transferred Dr. Arne E. Carlson from Minneapolis, Minn., to Cleveland, Ohio, where he will take charge of investigative work in the control of woodland brush and other weed killer activities. H. D. McSpadden has taken over the technical service activities in the Minneapolis area formerly served by Dr. Carlson.

At the same time, the department announced three other staff reassignments. Dr. R. P. Holdsworth, jr., has been moved from the New York office to a post in agricultural chemical sales in Wilmington, Del. W. C. Keenan has been transferred from the Detroit, Mich., office to handle technical service in the Cincinnati, Ohio, territory. William Gaylord, technical service representative, has been shifted from the Shenandoah Valley to the New York territory.

Monsanto Issues Bulletin

An eight-page illustrated bulletin, describing laboratory and field studies of paradichlorobenzene as a volatile fungistat, is available from Monsanto Chemical Company, St. Louis, Mo. In addition to properties and specification of paradichlorobenzene, the bulletin includes a summary of previous work, use recommendations and a bibliography.

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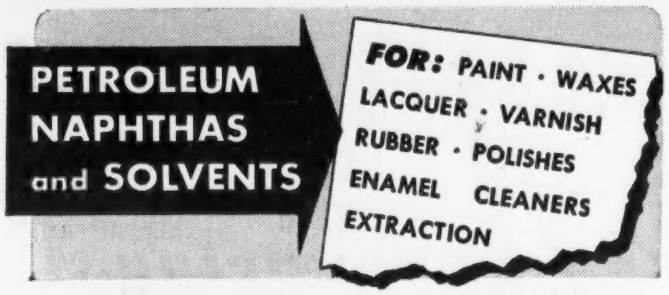

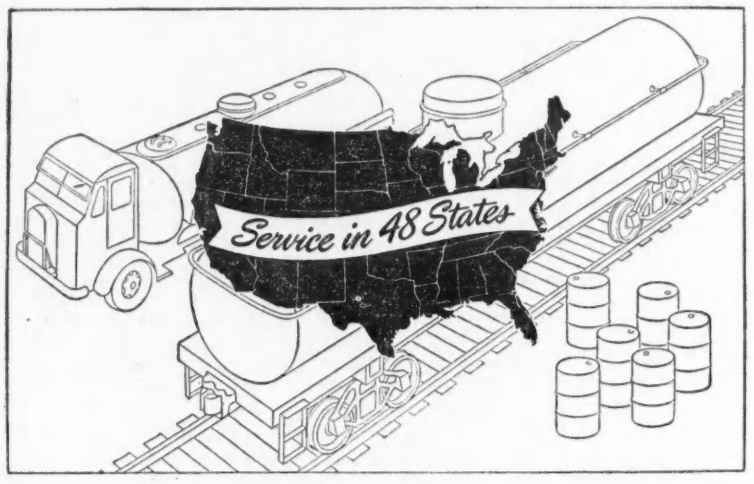

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Petroleum Derivatives

Advances in the listings of petroleum toluol and xylol were announced during the past week. They amounted to 2c. per gallon, and were effective as of July 1 at all listed shipping points except Wood River, Ill. Both 100 flash and 150 flash petroleum solvent naphthas also went up by a similar amount. There were no changes in aliphatics. One producer announced that as of today it was advancing the listings on its line of blends by 2c. although others were still standing pat. Toluol was somewhat freer than xylol although neither was easy.

Aliphatics were doing well. The paint industry was in its busy season and this was giving the demand a boost for such items as mineral spirits and V.M.&P. naphtha. The tire industry was also taking a good share of rubber solvent. Despite the fact that the demand was high, supplies were sufficiently strong to make it possible for producers to fill the needs of the market without particular difficulty.

Lighter fractions were without any radical change. Stocks were at a good point and the call was moderately strong. The demand for LPG's was good. It was said to be better than normal and somewhat over the demand for the corresponding period a year ago. Large amounts were going into use in Summer homes in the rural areas, and this was expected to continue until at least Labor Day. Waxes were pretty much unchanged. Microcrystalline was in heavy demand, and supplies were on the tight side. Paraffin was strong and supply was sufficient to cover the needs of consumers.

Solvents and Diluents

Aromatic Solvents—Petroleum toluol and xylol advanced 2c. per gallon during the last week at all listed shipping points except Wood River, Ill. At that point they were unchanged at 26c. In Baytown, Tex., the new price became 28c. while it went up to 30c. at the following points:—Albany, Bayonne, Chicago, Detroit, Philadelphia and Providence. Increased costs of production were said to be responsible for the higher listings. Demand was still running to high levels and supplies were none too free.

A 2c. increase was also noted in the listings of 100 flash and 150 flash petroleum solvent naphthas at Baytown. This made the price in tanks 28c. per gallon. One producer announced that it was going up 2c. on blends today, but others were still not changing their listings.

Cleaners' Naphtha—Supply was sufficient to meet the demand and in no areas were there any particular difficulties reported. The demand was still continuing on a good plane and showed indications of going on that way for at least the immediate future. There were no changes in price and none were indicated.

Lacquer Diluent—The price structure was without change during the past week and there were no indications of any changes forthcoming. The demand was at a strong level, as it had been in the recent past, but despite this fact there was still enough of the material available to obviate any real difficulties in meeting the needs of the market.

Mineral Spirits—Demand was still running well and the paint industry at this time of year was taking good amounts. Supplies were sufficiently high to meet the needs of the market. The price structure was without change.

Rubber Solvent—The demand was good last week, with large amounts going into the tire industry. Supplies were in good shape and producers were having no particular difficulty in supplying the needs of consumers. Pricewise, the market was without feature.

Stoddard Solvent—The paint trade was taking this material in good amounts during the past week and despite this strong demand there was enough of the item on hand to satisfy the general needs of the market without putting a pinch on producers. There were no changes in the price structure.

V. M. & P. Naphtha—Demand was running high and gave indications of continuing that way, with the paint industry taking a good share of material for the time of year. Supplies were high enough to make delivery comfortable. There was no activity in price, with listings holding firm.

Market Trends

Prices Advanced

Toluol, xylol, petroleum, Albany, Bayonne, Baytown, Chicago, Detroit, Philadelphia, Providence, 2c. per gal. Solvent naphtha, petroleum, 100° F, 150° F, Baytown, 2c. per gal.

Prices Reduced

None

(*For Current Prices see Page* 9)

Lighter Fractions

LPG's—With the warm weather demand here and large amounts of material going into use in Summer homes in the rural districts, business was said to be a bit better than normal and somewhat over the plane of the previous year. The price structure held to its previous levels with no indications of any changes in prospect immediately.

Waxes

Microcrystalline—Pricewise, there were no changes reported during the past week and there were no indications that there were any in prospect for the immediate future. Supplies were on the tight side as a result of the strain being put on producers by the strong demands of the market.

Paraffin—During the previous week it was said that demand seemed to be off slightly, but last week it was pointed out that the call was on the strong side. Supply was reported to be sufficient to accommodate the normal demands of the market without any particular difficulty. There were no changes noted in the price range and there were no indications of any in prospect for the immediate future.

Miscellaneous

Asphaltum — Total indicated demand, domestic and foreign, for petroleum asphalt was one percent lower in 1949 than in 1948, according to the Bureau of Mines. Because of the decreased demand, petroleum refineries reduced their output six percent, and imports of petroleum asphalt, lake asphalt and grahamite were lowered twenty-four percent. At the same time, stocks of asphalt held at the refineries were reduced thirteen percent during 1949, compared with a fifty percent increase in stocks during 1948. Recorded sales were three percent lower in 1949 than in 1948.

Crude Oil—Production in Saudia Arabia during May amounted to 17,078,238 barrels, or an average of 550,911 barrels per calendar day, according to a recent announcement. Crude processed at the refinery at Ras Tanura amounted to 2,327,112 barrels, or an average of 75,068 barrels per calendar day. Production for the first five months of 1950 amounted to 71,652,396 barrels, an average of 474,519 barrels per calendar day. Crude run in the refinery for the same period was 12,968,474 barrels, an average of 85,884 barrels per calendar day.

A 66,706 barrel daily increase in the Texas July production has been authorized, according to a recent announcement. This comes on the heels of a 130,000 barrel daily increase that was authorized for the month of June.

Los Angeles Petroleum Market

Demand continues steady on solvents and diluents with good supplies reported for all items. Prices are unchanged as follows:—Cleaning solvent 15½c. to 19½c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Lacquer diluent quoted from 16½c. to 20½c. per gallon, same basis. Stoddard solvent quoted from 15.7c. to 19.5c. per gallon, same basis.

Only moderate inquiry continues in the LPG market here in the face of heavy stocks. Both propane and butane listings are unchanged at 5.3c. per gallon, tankcars, f.o.b. Los Angeles.

Demand remains steady for high melting point waxes with supplies adequate to meet consumer inquiry. Prices are unchanged quoted as follows:—140/147 ASTM, carload lease slabs, f.o.b. shippers refinery, San Francisco, 6.95c. per pound. 146/148 ASTM, same basis, 7.15c. per pound. 157/162 ASTM, same basis, 7.6c. per pound. Tankcar prices quoted at 6.05c. 6.25c. and 6.9c. per pound respectively.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended June 17 totaled 239,862,000 barrels, according to the Bureau of Mines. Compared with the total of 239,464,000 barrels for the preceding week, this represents an increase of 398,000 barrels, comprising a decrease of 421,000 barrels in stocks of domestic crude and an increase of 819,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

Socony-Vacuum Awards Scholarships, Fellowships

Awarding of scholarships to seven universities and selection of four employees to receive fellowships during the 1950-51 academic year has been announced by the producing department of the Socony-Vacuum Oil Company, New York. The educational opportunities are part of a scholarship-fellowship program which was initiated by Socony-Vacuum's producing department in 1949 as a $200,000 project over a four-year period.

Of the seven scholarships awarded, four are in connection with petroleum engineering and three are in geophysics. The institutions receiving the scholarships are the University of Oklahoma, University of Texas, University of Tulsa, Yale University, University of Kansas, University of Minnesota and Purdue University.

The employees selected for fellowships will receive $2,500 each for the academic year plus one-half of their base salaries for this period. These fellowships are restricted to employees of the Socony-Vacuum organization. Recipients are:—Charles F. Fogarty, Colombia; R. G. Knabe, Venezuela; L. E. Twining, Egypt, and J. A. Wallace, Canada.

Esso Standard Appoints Richdale Ass't to Pres.

J. C. Richdale, manager of the New England division of Esso Standard Oil Company, New York, has been appointed assistant to the president with headquarters in Boston, Mass., effective August 1. Mr. Richdale joined Colonial Beacon Oil Company, now Esso Standard, in 1928. After serving successively as general sales manager in charge of bulk and fuel oil sales and as manager of the tankcar department for the New England division, he was named division manager in 1936.

Tidelands Bill Progresses

The house rules committee cleared the way last week for consideration on the house floor of the states-sponsored tidelands bill, H. R. 8137. A resolution was approved giving the legislation preferred status on the house calendar of business. Debate is to be limited to four hours. The legislation would give the states ownership and control of the so-called oil-rich tidelands despite supreme court opinions that the federal government has a paramount right to the lands. The measure is being bitterly fought by the administration and, if passed, it is practically certain to be vetoed by Mr. Truman.

Glyco Making Spreading Agent for Paraffin Wax

Glyco Products Company, Brooklyn, N. Y., has started producing a spreading agent for paraffin and microcrystalline waxes. According to the company, the material, trade named "Paraspred," plasticizes paraffin wax, improving its adhesiveness, and penetration of the wax into porous materials such as paper and textiles is greatly improved. It is available in commercial quantities.

Sinclair Acquires Wood River Refinery, Pipeline

Sinclair Refining Company, New York, has acquired the refinery of the Wood River Oil & Refining Company at Hartford, Ill., along with its sixty-seven-mile product pipeline, which extends from Peru, Ill., to Rockford, Ill., and marketing terminal. The refinery, which includes a catalytic cracking unit, has a throughout capacity of 30,000 barrels per day.

Trade Briefs

Harold D. Osborn, of the General Petroleum Corporation, Los Angeles, Calif., has been elected president of the Petroleum Accounts Society.

Socony-Vacuum Oil Company, New York, has been awarded a contract to supply 1,932,000 barrels of crude petroleum to refineries on Japan's Pacific Coast.

K. C. Heald, vice-president of the Gulf Oil Corporation, has been elected a director to fill the vacancy on the board created by the retirement of E. C. Bothwell.

California - Texas Oil Company and Spanish Petrolillos Corporation have opened a new oil refinery at Cartagena, Spain, with a rate capacity of about 12,000,000 gallons of gasoline per month.

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Coaltar Chemicals

A decline of 1½ cents per pound in orthocresol was about the only price change made in this market for July 1 which had not been previously reported. Spot prices advanced and previously reported became effective on contract July 1 on a wide range of coaltar chemicals, reflecting the advances made in basic materials. The index was off 0.3 point becoming 107.5.

Among those chemicals on which contract prices moved up July 1 were phenol, cresol, cresylic acid, the mono, di, and tri chlorinated benzenes, dinitrobenzene, paraphenyl phenol, mono and di cyclohexylamines, parachlorophenol, styrene, xylenol fractions, anilin, dianisidin, dinitrophenol, diphenylamine, dinitrotoluene, and others.

A strike in the plants of a major producer of chlorine and chlorinated benzenes still continued, adversely affecting the supply position of these important intermediates. There was a shortage of virtually all of the large volume benzol derivatives, of cresylic and phenolic materials, and of coaltar source aromatic solvents.

Operations of the steel industry for the week ended July 1 was reported by the American Iron and Steel Institute as 101.2 percent of theoretical capacity. This was equivalent to 1,929,100 tons of ingots and castings, compared with 1,934,900 tons one month ago and 1,473,000 tons one year ago.

Market Trends

Prices Advanced

None

Prices Reduced

Orthocresol, 1½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 1, 1949
107.5	107.8	106.6	110.1	114.4

(*For Current Prices see Page 9*)

Basic Products

Benzol—The market was steady at price levels established in early June. Demand was strong stemming from chemical intermediate end-uses such as the manufacture of anilin, monochlorobenzene, phenol and styrene, together with a wide range of lesser benzol derivatives. There not being sufficient benzol to go around, manufacturers were carefully alloting the shipments they received among their various intermediate products so as to take care of the immediate needs of most of their customers. So long as this item remained short, there were expected to be shortages in the major derivatives.

Creosote—There were rumors in the trade that prices were likely to soon advance, but this could not be confirmed. Meanwhile, demand continued strong and there were quite ample supplies to take care of all orders.

Cresol—Prices were maintained at their recently established higher schedules, effective on contract July 1 at levels 1½c. per pound higher than quotations which prevailed during the second quarter. Supplies were still short, and demand continued heavy from most consuming areas.

Cresylic Acid—Demand for low boil acid was characterized as one of heavy pressure on the available supplies, which were inadequate to take care of all calls, and the result was a continued backlog of orders. High boil acid was in a somewhat better supply position, but still regarded as scarce. Acid of the imported quality was in less overall demand and not as short as the domestic production qualities, because the required higher boiling range for overseas shipment made the imported acid unattractive for many of the end-uses to which the lower boiling acids are put.

Prices were unchanged from the new higher levels established on spot material in mid-June. These schedules became effective on contract July 1.

Naphthalene — Nothing new developed in this market last week, as imports continued heavy and domestic production was maintained at previous levels. Prices were firm and unchanged, with the current outlook one in which the market was not viewed as strong, but was felt likely to hold pricewise for the third quarter. This situation could change, it was stated, in the weeks immediately ahead, depending on developments in the import market.

Production of refined flake naphthalene melting at 79 degrees was reported for 1949 by the Tariff Commission as amounting to 53,112,000 pounds made from domestic crude naphthalene, and 17,264,000 pounds made from imported crude naphthalene.

Phenol—The market entered the third quarter with business at a high level. Manufacturers of both natural and synthetic material were making shipments as fast as the item could be produced. Production was hampered by lack of sufficient benzol for the manufacture of synthetic phenol, and demand was such that producers were operating against a backlog of orders, making shipments so far as possible in amounts to take care of their customer's immediate needs, with none left over for the accumulation of normal inventories or for spot sales.

Total phenol production for 1949 was reported by the Tariff Commission as amounting to 224,544,000 pounds. Of this total, 16,593,000 pounds were from natural coaltar and petroleum sources, and 207,969,000 pounds was synthetic.

Reports from Germany stated that German domestic production had increased on both natural and synthetic phenol, and that German manufacturers hoped to obtain important export orders by virtue of the world shortage.

Pyridin—Demand for the refined 2 degree material had declined considerably, but was still moving in considerable volume. Production during 1949 was reported by the Tariff Commission as amounting to 1,759,000 pounds. Prices were unchanged from levels which have prevailed in the market over recent weeks.

Solvent Naphtha—Coaltar source materials were unchanged in price at the third quarter from levels which prevailed in the market during the second quarter. Certain of the petroleum source highly aromatic solvent naphthas were advanced 2 cents per gallon. Demand was heavy and supplies quite short.

Toluol—Coaltar source material moved into consuming channels as fast as it could be produced, which was the result of a sustained heavy demand in excess of available supplies. Established accounts were for the most part being taken care of for their immediate needs, but neither producers nor consumers were able to accumulate what might be considered normal inventories. Shipments were still being made with some delay and there was virtually no spot material available. Material of petroleum source was advanced 2 cents per gallon effective July 1 at most shipping points.

Xylol—Coaltar source material maintained a firm price position, and supplies were still critically tight. Demand this month did not show any tendency to decline, and continued to be considerably in excess of the available supply. Effective July 1, petroleum source material advanced 2 cents per gallon at most shipping points.

Intermediates

Alphanaphthol—Prices held to the former level of 70 cents per pound in barrels. The 1949 production was reported by the Tariff Commission as amounting to 311,000 pounds. Demand was moderate.

Alphanaphthylamine—Demand was described as hardly more than moderate. Prices were firm at levels prevailing over recent months, and supplies were abundant.

Anilin — Supplies were reported as quite short, production being held up somewhat by the shortage of chlorine and monochlorobenzene in those plants using mono as the intermediate. Contract prices effective July 1 were 1c. per pound higher than those which prevailed during the second quarter, by virtue of the increased manufacturing and raw material costs. Scrap iron continued high in price, adding materially to the cost of

Coke By-Products

Estimates of by-product cokeoven operations in the week ended June 17 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,064,946
Ammonia sulphate	lbs.	27,576,501
Benzol	gals.	3,475,037
Coaltar	gals.	12,891,454
Creosote oil	gals.	717,437
Naphthalene, crude	lbs.	1,703,913
Phenol	lbs.	201,779
Toluol	gals.	696,017
Xylol	gals.	156,939

For Late Market Developments, See Page 4

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producing anilin by the reduction of nitrobenzene. Monochlorobenzene was up fractionally.

Chloronitroanilin — Production figures released by the Tariff Commission indicated that the output in 1949 of orthochloroparanitroanilin amounted to 382,000 pounds. There were no production figures available on paracholoro-orthonitroanilin, but sales during 1949 were reported as 197,000 pounds. Prices were firm and unchanged from their recently adjusted schedules.

Dichloroanilin — Supplies were somewhat on the short side, reflecting the benzol shortage, but the demand for this particular item was such that the benzol and anilin shortages did not have too strong an adverse effect on supply. Prices were unchanged. Production of the compound and its hydrochloride during 1949 totaled 214,000 pounds in 1949, according to a Tariff Commission report.

Diphenylguanidin — Production in 1949 was reported by the Tariff Commission as 3,155,000 pounds. Demand was steady at a reduced volume compared with other years because of the increased use of the mercapto type of rubber accelerators. Prices were firm and unchanged.

Mercaptobenzothiazole—The 1949 production of this rubber accelerator was reported by the Tariff Commission as 11,495,000 pounds. Prices were firm at levels established in the second quarter. Supplies were said to be adequate.

Mercaptobenzothiazyldisulphide — Production in 1949 was reported by the Tariff Commission as 10,305,000 pounds, indicating an increasing use of this rubber accelerator in compounding. Prices were unchanged from the levels established in the second quarter. Supply was said to be ample to take care of the sustained good demand.

Monochlorobenzene — Supplies of this large volume intermediate remained on the critical side, with the prolonged strike in the plants of a major producer of chlorine and monochlorobenzene making the outlook bleak so far as any possibility for easing of supplies was concerned. A tight benzol market added to the difficulty. Meanwhile, demand for chemicals for which monochlorobenzene is an intermediate continued this year at a sustained high level, and in some items such as chlorinated insecticides and weed killers the demand this year was abnormally heavy. In view of the chlorine and benzol shortages enough material to meet the demand could not be made. Prices previously announced on spot became effective July 1 on contract, up ½c. per pound in the East and 1¼c. in the West over contract schedules which prevailed during the second quarter.

Orthocresol — Prices were reduced in some quarters and advanced in others on the 25 degree material. Price ranges currently prevailing in the market quoted tankcars at 13½ to 15½ cents per pound, drum carlots at 14.8 to 16.8 cents per pound, and less than carlot drum quantities at 15.1 to 17.1 cents per pound. These prices were on a freight equalized basis.

The price pattern on 29 and on 30 degree material was likewise currently confused. Non-returnable drums on a freight equalized basis were quoted at 17.8 cents in carlots and 18.1 cents in less than carlots, for the 30 degree material. Meanwhile there were prices in the market in returnable drums at 19 cents per pound for carlots and 19.3 cents for less than carlots.

For the 29 degree material non-returnable drums were quoted at 16.8 cents for carlots and 17.1 cents for less than carlots. Material in returnable drums was quoted at 18 cents in drum carlots, and 18.3 in less than carlots. Competitive conditions in the market were felt likely to soon straighten out the wide range of quotations and result in greater uniformity of price structure, since the demand for the item is not so great nor the supply so scarce that consumers would be inclined to buy at prices two cents higher for any given quantity.

Paraphenylphenol—Contract prices effective July 1 on this item were 30½ cents per pound in carlots, and 31½ cents in less than carlot drum quantities, up 2 cents per pound over the contract prices which prevailed during the second quarter. This move was in line with the increased raw material costs on intermediates going into the manufacture of the item.

Quinolin — Production of refined 2 degree material was reported for 1949 by the Tariff Commission as amounting to 395,000 pounds. The market was reported as firm. Tankcars were quoted at 50 cents per pound. Drum carlots were quoted at 50¾ cents to 51¼ cents per pound, and less than carlot drum quantities at 51¼ cents to 51¾ cents per pound.

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depending upon seller. These prices were on a freight equalized basis.

Styrene — Heavy demand from the rubber and plastics industry kept supplies in a short position, and production was hampered by the tight benzol supply. Prices on contract July 1 were 1½ cents per pound over those which prevailed on contract during the second quarter, reflecting the increased cost of benzol and of manufacturing operations.

Tobias Acid—The price position of this acid was regarded as firm. Supplies were abundant by virtue of the good naphthalene supply, and a moderate demand from the dyestuffs industry. Production in 1949 was reported by the Tariff Commission as amounting to 2,756,000 pounds.

I.G. Dyestuffs Data Translations Available

Translations of up-to-date instructions for the manufacture of 333 dyestuffs, produced by the I. G. Farbenindustrie are now available from Research Information Service, New York. The reports are listed in "Research Bulletin No. 46," which has just been published. The reports are listed in alphabetical order according to dyestuff name, which is in many cases supplemented by chemical designation. The prices of the translations range mainly between $2 and $6, with some lengthy reports priced up to $15.

Research bulletin No. 46, "Dyestuffs," as well as bulletin 40, "Chemical Intermediates," may be obtained free of charge by writing on company letterhead to Research Information Service, 509 Fifth avenue, New York 17.

Hilton-Davis Names Analytical Lab Head

Robert K. Johnson, formerly with the Analytical Chemists of Cincinnati, has been named head of the analytical laboratory of the Hilton-Davis Chemical Company Division of Sterling Drug, Inc. He succeeds Mrs. Janet Smith, resigned. His work at Hilton-Davis is chiefly concerned with analysis of certified food colors, which the division products for marketing by Sterwin Chemicals, Inc., under the brand name of "Parakeet."

Gen'l Dyestuff Moves in Chicago

General Dyestuff Corporation has moved its Chicago, Ill., office and laboratory to 310 West Polk street. The new site provides larger office and laboratory space, as well as greater warehousing and loading facilities.

Carwin Completes Building

The Carwin Company, North Haven, Conn., has completed a new, modern one-story office and laboratory building in North Haven. The company specializes in the manufacture of intermediates.

Announces Acquisition

L. Balassa, director of Balassa Research Laboratories, New York and West Barrington, R. I., has announced acquisition of space by the concern at 59 Cove street, New Bedford, Mass. The site will house a new Balassa research and development laboratory which will be engaged principally in cellulose and textile research.

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Hercules Shifts Paper Makers Chemical Staff

Paper makers chemical department of Hercules Powder Company, Wilmington, Del., has reassigned five members of its staff. J. W. Burke has been transferred to technical sales work, with headquarters at the company's Kalamazoo, Mich., office. Henry Heller also has been moved to Kalamazoo, where he will be in charge of the technical service laboratory and will be responsible for the training of technical service personnel.

J. Huston McClane has been assigned to the department's Atlanta, Ga., office as a member of the paper mill technical sales staff. Fred L. Schucker has been appointed to the paper mill technical service staff in the Kalamazoo territory. Charles H. Chapman has been transferred from the department's Portland, Ore., office to San Francisco, Calif., where he will do paper mill technical sales work.

Glass Container Shipments Down

The total shipment of narrow-neck glass containers in gross during April was 4,871,140, as compared with 5,175,067 in March, according to the Bureau of Census.

In this category the amount used for medicinal and health purposes was 1,018,121 in April, against 1,192,184 in March; chemicals, 511,173 in April, against 643,690 in March, and toiletries, 434,166 in April, against 494,149 in March.

The total shipment of wide-mouth glass containers in gross during April was 2,777,719, as compared with 2,954,221 in March. In this category, the amount for medicinal and health purposes was 281,434 in April, against 261,566 in March; chemicals, 121,343 in April, against 126,815 in March, and toiletries, 121,862 in April, against 114,290 in March.

Monsanto Assigns Black To Merrimac Development

Monsanto Chemical Company has assigned Dr. Donald H. Black to the Merrimac division's development department at Everett, Mass. In his new post he will explore new uses for products synthesized by the Merrimac research laboratories. Dr. Black joined the Monsanto organization in 1944 and served the company at the Clinton Laboratories in Oak Ridge, Tenn. Since 1947 he has been a member of the leather application group of Merrimac's research department.

Bids Wanted

Ammonia, anhydrous, period contract, Quartermaster, West Point, N. Y., invitation 140, July 7.

Chlorine, liquid, period contract, Quartermaster, West Point, N. Y., invitation 140, July 7.

Compressed gases, oxygen, acetylene, carbon dioxide, as required from July, 1950, through July 5, 1951, U. S. Air Force (Kelly Base, Texas) invitation 542, July 5.

Corn Starch, 8,448 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N.Y.) invitation 740, July 11; 13,248 pounds, Federal Supply Service (Washigton 25) invitation 1D-90387-R July 6.

Drugs, including tablets, acetophenetidin, acetylsalicylic acid and caffeine, amphetamin sulphate, ascorbic acid, folic acid, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 746, July 21; menadion sodium bisulphite injection, thyroid tablets, invitation 739, July 10; sulfadiazine, invitation 740, July 11; acetylsalicylic acid tablets, alkaline aromatic solution tablets, aluminium hydroxide gel, invitation 736, July 19.

Fats & Oils, edible: hydrogenated shortening, 160,000 pounds, and mixture of animal or vegetable fats or oils, 400,000 pounds, Army Quartermaster (Chicago 9) invitation 157, July 13; salad oil, 600 gallons, Federal Supply Service (Washington 25) invitation 1D-90386-R., July 6.

Gelatin, 5,796 26-ounce containers, Federal Supply Service (Washington 25) reference 1D-90726, July 14.

Milk powder, 13,200 pounds, Army Quartermaster (Chicago 9) invitation 187, July 28; 26,000 pounds, Federal Supply Service (Washington 25) reference 1D-90723, July 14.

Ointment base, water soluble, 2,784 pounds, Armed Services Medical Procurement Agency, (Brooklyn 1, N. Y.) invitation 739, July 10.

Oxamide, 500 pounds, Army Ordnance Department (Picatinny Arsenal, Dover, N. J.) invitation 445, July 11.

Paint, enamel, etc.: paint, heatresisting, 700 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,796, July 18; enamel, 5,318 gallons, invitation 50,834, July 21; paint, 8,000 gallons, Federal Supply Service (Washington 25) reference 5L-90710, July 10; 2,000 gallons, reference 5L-90711, July 10; paints, enamels, varnish, term contract, three months period, class 52, reference CL-2-51, July 18; paint, aluminum, 400 gallons, Federal Supply Service (Seattle 4) reference 4-R-9724-1, July 10; enamel, 150 gallons, Federal Supply Service (New York 13) reference NY-6784, July 13; 900 gallons, reference NY-6787, July 13; paint, 400 gallons, reference NY-6788, July 13; 120 gallons, reference NY-6789, July 13; 1,500 gallons, Federal Supply Service (Chicago 6) reference 23792, July 10; 1,000 gallons, Federal Supply Service (Fort Worth, Texas) reference FW-10085, July 11.

Soap, grease dissolving powder, as required from July 1, 1950, Federal Security Agency (Baltimore 1) invitation SSP-2147, July 10; soft soap, 13,200 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 738, July 10; powder, 3,600 pounds, Federal Supply Service (Fort Worth, Texas) reference FW-10083, July 11.

Soda, caustic, 15,302 13-ounce cans, laundry, 65,200 pounds, bicarbonate, 21,956 pounds, Federal Supply Service (Washington 25) reference 90713 (3), July 24; caustic, 2,976 containers, laundry, 14,428 pounds, reference 90715, July 5; ash, 6,500 pounds, Federal Supply Service (Fort Worth, Texas) reference FW-10086, July 11; caustic lye, 3,200 pounds, Federal Supply Service (Cleveland) reference CL-3132-50, July 5.

Sodium sulphite, 43,222 pounds, Federal Supply Service (Washington 25) reference 90716 (3), July 24.

Sodium thiosulphate, 189,900 pounds, Federal Supply Service (Washington 25) reference 90716(3), 26,900 pounds, reference 90714(3), July 5; 47,000 pounds, Veterans Administration (Washington 25) invitation A-1, July 10.

Solvents, including, acetone, 14,888 pounds, ethanol, 6,300 gallons, dehydrated alcohol, 1,251 gallons, carbon tetrachloride, 1,920 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 749, July 24.

Spices, cinnamon, garlic powder, ground ginger, paprika, black pepper, sage, Quartermaster Procurement Agency (New York 3) invitation 1030, July 20.

Toluene, 1,344 one-ounce bottles, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 738, July 10; 83,460 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation 50,836, July 21.

Trisodium phosphate, 53,300 pounds, Post Office Department (Washington 25) invitation 572, July 12; 84,500 pounds, Federal Supply Service (Washington 25) reference 90717 (3), July 24.

Turpentine, 825 gallons, Federal Supply Service (New York 13) reference NY-6793, July 13; 300 gallons, reference NY-6792, July 13.

Wax, water emulsion, 3,300 gallons. Federal Supply Service (Cleveland) reference CL-3135-50, July 18.

Xylene, 5,736 pounds, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 738, July 10.

Uruguay Decontrols War-Held Firms

Uruguay has decontrolled twenty-five German and Japanese firms which had been under compulsory administration during the recent war. Among them are Schering A. G. and Anilinas Alemanas.

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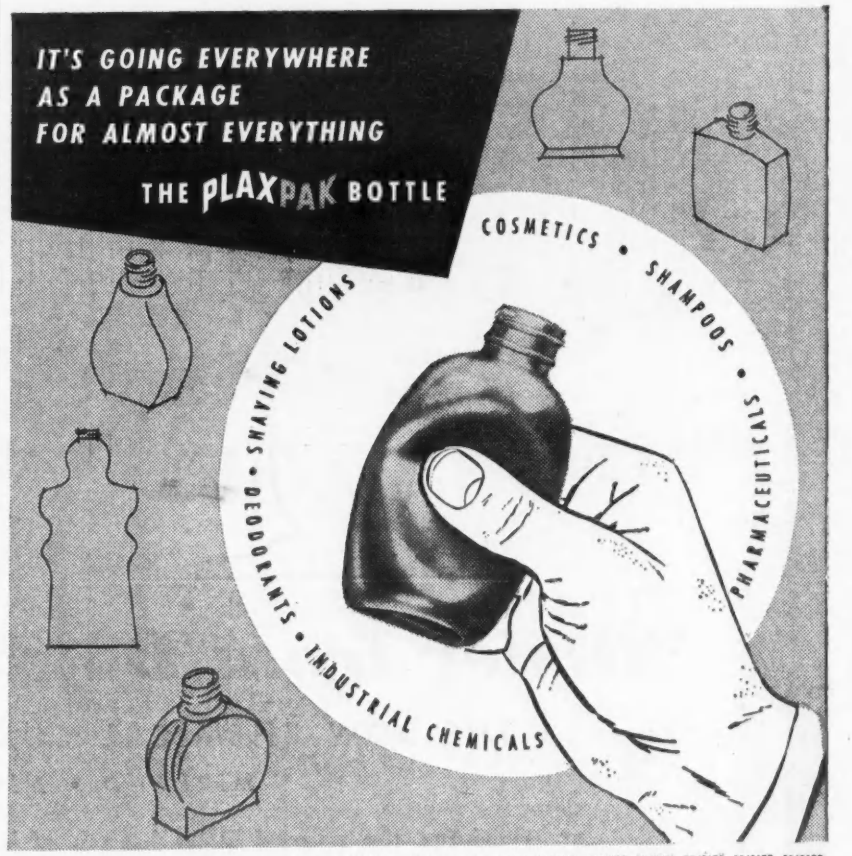

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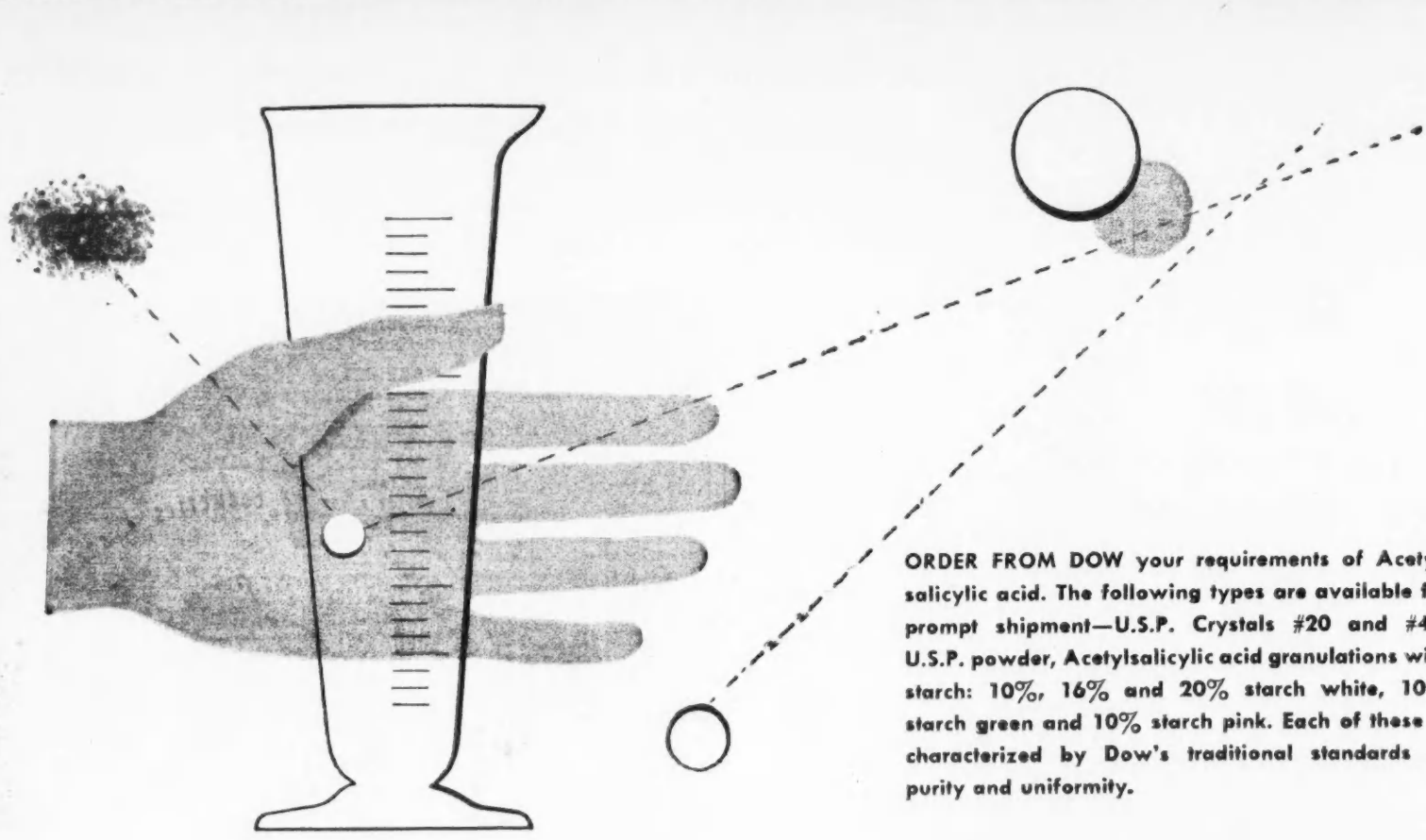

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Drugs and Fine Chemicals

Cocoa butter advanced 4 cents per pound reflecting a sharp upward move in the commodity market. Conversely, menthol declined sharply dropping 40 cents per pound. Aside from a price advance of ¼ cent per pound on trichloroethylene and ½ cent per pound on perchloroethylene on freight equalized schedules, price movements in other organic aliphatic chemicals last week were confined to the ¼ cent upward price adjustments effected on drum quantities. The index dropped 1.2 points, becoming 255.8.

The ¼ cent upward price adjustments made in a wide variety of ester, alcohol, ketone, amine, and cyclic materials came about by manufacturers increasing the price differential between tankcars and carlot drums from the former 1½ cents to a new differential of 1¾ cents. In addition, several materials which had formerly carried a price spread between carlot and less carlot drums of ½ cent per pound were revised to carry a spread of ¾ to a full cent.

This general move was made in an effort to partially offset the considerable accumulation of increased drum costs, which have long been in excess of the return received from the price spread between tankcar and carlot drum shipments.

Acetone — Drum prices were adjusted upward as of July 1 by ¼ cent per pound. Under the new price schedule tankcars were quoted at 7½ cents per pound, drum carlots at 9¼ cents, and less than carlot drum quantities at 10 to 10¼ cents. These prices were on a delivered basis.

Allyl Chloride—Drum quantities were advanced ¼ cent per pound effective July 1 in line with a price movement in organic aliphatic materials generally, in order to partially offset considerably increased drum costs. Under the new schedule, tankcars were quoted at 15 cents per pound, drum carlots at 16¾ cents per pound, and less than carlot drum quantities at 17½ cents.

Alcohol—The Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, on July 1 released data on the supply, production, withdrawals, and stocks of ethyl, completely denatured and specially denatured alcohol during the month of May, 1950, in comparison with May, 1949:—

Production

	Proof gallons	
	1950	1949
Ethyl	33,409,663	33,854,754
*Completely denatured	39,057	42,983
*Specially denatured	15,949,761	13,839,880

Withdrawals

	Wine gallons	
	1950	1949
†Ethyl, tax paid	3,257,017	3,021,621
tax free	29,684,868	26,029,562
*Completely denatured	54,074	33,178
*Specially denatured	16,791,685	12,941,603

Stocks

	Gallons	
	1950	1949
†Ethyl	28,486,177	49,942,370
*Completely denatured	80,334	109,431
*Specially denatured	1,406,712	6,494,095

* Wine gallons. † Proof gallons.

According to the Alcohol Tax Unit, materials used in industrial alcohol plants in the Mays of 1950 and 1949 were as follows:—

	Pounds	
	1950	1949
Corn and corn products	198,560	5,998,974
Rye and rye products	.....	.....
Malt and malt products	.....	539,325
Wheat and wheat products	44	924,398
Sorghum grain & sorghum grain products	.....	57,470
Total grain	198,604	7,520,167
Potatoes & potato products		
Ethylene gas	7,555,724	4,647,829
Other materials	230,756	191,120
	Wine gallons	
	1950	1949
Molasses	16,105,588	18,634,815
Ethyl sulphate	11,720,213	10,516,901
Sulphite liquors	21,857,600	14,248,400
Other materials	2,112,674	2,367,280
*Products used in distillation	1,362,924	1,650,152

* Proof gallon.

Allyl Alcohol—Price changes effected July 1 were confined to upward adjustments of ¼c. per pound in drums. Under the new price schedule tankcars were quoted at 30 cents per pound, drum carlots at 31¾ cents, and less than carlot drum quantities at 32½ to 32¾ cents. Supplies were said to be adequate.

Atropine—Some reason to expect a lower production cost on this alkaloid was said to be fairly sound in view of the much lower prices at which raw material has become available to the manufacturers of the derivatives. For a considerable period of time, atropine prices had to be based on belladonna leaves cultivated in the United States. Europe is now supplying good quality leaves at prices which preclude profitable growing of the plant in this country.

Butyl Alcohols—Normal butyl alcohol was advanced in price ¼c. per pound in drums only. This applied to both fermentation and synthetic normal butanol, as well as to the secondary and tertiary butyl alcohols. Under the new price schedules, quotations as of July 1 were as follows:—

Normal butyl alcohol, both fermentation and synthetic, as well as isobutyl alcohol, were quoted at 12c. per pound in tankcars, 13¾c. in drum carlots, and 14¾c. in less than carlot drum quantities.

Secondary butyl alcohol effective July 1 was priced at 9c. per pound in tankcars, 10¾c. in drum carlots, and in less than carlot drum quantities at 11½c. to 11¾c. per pound.

Tertiary butyl alcohol in tankcars was quoted at 12c., drum carlots at 13¾c. and less than carlot drum quantities at 14½c. per pound.

Camphor—Not a great deal of natural camphor was available on spot but some reports suggested that those holding some powdered material were disposed to shade prices considerably. At least, some brokers so reported when mentioning 43c. per pound as being possible on such material. Synthetic camphor continued to fill the bulk of domestic consumers' requirements and at prices reported to be substantially steady at 45c. for USP powder or granular material in ton lots and 73c. for USP tablets in like quantity.

Technical material was currently priced at 38 cents per pound in ton lots, 40½ cents in 1,500 pound lots, and smaller quantities varied as to the amount purchased from 41 to 51 cents per pound.

Capsicum Oleoresin—Prices on oleoresin have not changed of late notwithstanding the fact that prices on most varieties of capsicum peppers have been either declining or weak, or both. The current takings of buyers was reported to be jobbing in quantity.

Castor Oil—Prices were unchanged on the oil, and beans maintained the price position of the previous week.

Imports of beans last week amounted to 57,802 bags equivalent to 8,670,300 pounds, compared with 7,519 bags or 1,127,850 pounds during the corresponding week of last year.

Total imports during the first six months of this year amounted to 801,852 bags equivalent to 120,277,800 pounds, compared with 934,941 bags equivalent to 140,241,200 pounds during the first six months of 1949.

Cocoa Butter—When prices on beans bulged to a new high for the recent movement, those quoted on this derivative rose to 62c. to 65c. per pound, so quoted according to seller and quantity. Almost immediately, however, prices on both beans and derivatives slid off slightly, leaving the latter at 60c. to 65c. per pound. The market continued to be highly sensitive. Demand was present in seasonable volume and requirements were well met.

Cyclohexane—Drum prices increased ¼ cent per pound over former schedules

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Acetone, dms., ¼c. per lb.
Alcohol, allyl, dms., ¼c. per lb.
Butyl, synthetic, dms., ¼c. per lb.
secondary, dms., ¼c. per lb.,
tertiary, dms., ¼c. per lb.
Diacetone, a.t., dms., ¼c. per lb.
technical, dms., ¼c. per lb.
Isopropyl, all grades, dms., 2c. to 4c. per gal.
Butyl acetate, synthetic, dms., ¼c. per lb.
Secondary, dms., ¼c. per lb.
Carbinol, methylisobutyl, dms., ¼c. per lb.
Cocoa butter, 4c. per lb.
Cyclohexane, dms., ¼c. per lb.
Dibutylamine, tanks, ¾c. per lb.
Di-isobutyl ketone, dms., ¼c. per lb.
Di-isobutylene, dms., ¼c. per lb.
Epichlorhydrin, dms., ¼c. per lb.
Ether, isopropyl, dms., ¼c. per lb.
Ethyl acetate, synthetic, all grades, dms., ¼c. per lb.
Hexyleneglycol, dms., ¼c. per lb.
Isobutyl alcohol, dms., ¼c. per lb.
Isopropyl acetate, dms., ¼c. per lb.
Isopropylamine, dms., ¼c. per lb.
Mesityl oxide, dms., ¼c. per lb.
Methylamyl acetate, dms., ¼c. per lb.
Methylethyl ketone, dms., ¼c. per lb.
Methylisobutyl ketone, dms., ¼c. per lb.
Monoethylamine, dms., ¼c. per lb.
Perchloroethylene, ½c. per lb.
Trichloroethylene, ¼c. per lb.
Triethylamine, dms., ¼c. per lb.

Prices Reduced

Diethylamine, tanks, ¼c. per lb.
Diethylethanolamine, tanks, ¼c. per lb.
Menthol, 40c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 1, 1949
255.8	257.0	257.6	254.4	262.8

(*For Current Prices see Page 9*)

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July 1, as a result of a general upward price adjustment made in drum quotations on many chemicals in an effort to offset partially the increased high cost of drums. The new price listings quoted tankcars at 9¼ cents per pound, drum carlots at 11 cents, and less than drum carlot quantities at 11¾ cents.

Isopropyl Alcohol—Under a new price schedule effected July 1 the price differential between tankcars and drum carlots was increased from its former 10 cents per gallon to 12 cents. This was in line with the similar increased differential established on ethyl alcohol two weeks earlier. In addition, the higher drum costs made it necessary to increase the spread between carlot and less carlot quantities on this item from the former 3 cents per gallon to a new differential which ranged from 5 to 6½ cents per gallon. Under the new price schedule, the 91 percent grade was priced at 32 cents per gallon in tankcars, 44 cents in drum lots, and in less than carlot drum quantities the price quotation ranged from 49 to 50½ cents per gallon.

The 95 percent grade in tankcars was priced at 33½ cents per gallon, drum carlots at 45½ cents, and less than carlot drum quantities at 50½ to 52 cents per gallon. The 99 percent grade, meanwhile, was priced at 35 cents per gallon in tankcars, 47 cents in drum carlots, and in less than carlot drum quantities the prices ranged from 52 to 53½ cents per gallon.

Lobeline Sulphate—The 1950 price for new crop lobelia herb was reported to be developing rather slowly. The country prices last paid were substantially higher than the normal value of the article, but it will require a bumper collection at a considerably lower cost to the collectors for much change to take place in quotations on the derived material.

Menthol — Spot quotations dropped sharply until they reached $11.40 to $11.50 per pound, following which there developed what appeared on the surface to be a steadier price position. However, since $11.30 has been quoted on goods to arrive here at least by the middle of July, the spot position was possibly less steady than it appeared to be. Coupled with the lower price positions prevailing on futures was the fact that the current season of the year was well up to normal dullness. Together the two governing factors kept the local market favorable for those compelled to buy prompt deliveries at this time.

Methylisobutyl Carbinol — Drum prices were upped ¼ cent per pound, effective July 1. This brought the new price schedule to 11½ cents per pound in tankcars, 13¼ cents in drum carlot quantities, and 14¼ cents in less than carlot drum shipments.

Perchloroethylene — As a result of increased chlorine and manufacturing costs, the price of this item was advanced ½ cent per pound on a freight-equalized basis, effective July 1. The advance applies to both tankcar and drum quantities.

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Under the new schedule, tankcars were quoted on a freight-equalized basis at 10¼ cents per pound in tankcars, 10¾ cents in drum carlots, and 11½ cents in less than carlot drum quantities.

One major producer quoted prices in the East on a delivered basis, in which tankcars were quoted at 10½ cents per pound, drum carlots at 11½ cents, and less than carlot drum quantities at 12 cents. Prices in the West were ½ cent per pound higher.

Trichloroethylene—Prices quoted on a freight-equalized basis were advanced ¼ cent per pound across the board for all quantities, effective July 1. This was a reflection of the increased chlorine costs, which likewise become effective on contract July 1.

On a freight-equalized basis various producers quoted 10 cents per pound in tankcars, 10½ cents in drum carlots, and 11¼ cents in less than carlot drum quantities.

One major producer quoted prices effective July 1 on a delivered basis, in which tankcars in the East were listed at 10¼ cents per pound, drum carlots at 11¼ cents, and less than carlot drum quantities at 11¾ cents. Prices in the West were ½ cent per pound higher.

Bristol-Myers Appoints Phillabaum to New Post

Ben F. Phillabaum has been appointed district manager of the newly-created east central district of Bristol-Myers Company's eastern sales branch. A sales representative for Bristol-Myers for the past six years, he will coordinate the activities of seven of the company's sales representatives in Michigan, Indiana, Ohio, West Virginia and Kentucky, operating under the supervision of the eastern branch manager. He will continue to make his headquarters in Indianapolis, and, in addition to his supervisory duties, will contact Bristol-Myers' direct accounts in the above states.

Matthews & Dennin Formed

Ransdell Matthews and John W. Dennin have organized the firm of Matthews & Dennin to act as manufacturers' agent, broker, importer and jobber of industrial chemicals and raw materials. Offices are in the Matson building, 215 Market street, San Francisco 5. Telephone number is YUkon 6-5077.

DCAT Names Chairmen Of Convention Committees

Drug, Chemical and Allied Trades section, New York Board of Trade, has announced the following chairmen to head committees for the organization's sixtieth annual meeting, to be held September 22 and 23 at Shawnee Inn, Shawnee-on-the-Delaware, Pa.:—

Banquet committee, C. P. Walker, Citro Chemical Company; business program committee, Fred G. Singer, E. I. duPont de Nemours & Co.; evening entertainment committee, C. A. Hanford, Pharmaco, Inc.; greetings committee, Robert B. Magnus, Magnus, Mabee & Reynard, Inc.; golf committee, William W. Huisking, Charles L. Huisking & Co.; ladies golf committee, Mrs. F. Dean Hildebrandt; ladies card party, Murray Breese, Murray Breese Associates, and memorials committee, William S. Auchincloss, OIL, PAINT AND DRUG REPORTER.

Also miscellaneous sports activities, J. G. Flanagan, S. B. Penick & Co.; vice-chairman, J. David Hayden, R. P. Scherer Corporation; publicity, Ira P. MacNair, MacNair-Dorland Company; reception committee, Lloyd I. Volckening, the Ivers-Lee Company; registration committee, C. M. Macauley, Pro-phy-lac-tic Brush Company, and transportation committee, William H. Sheffield, jr., Innis, Speiden & Co.

Trade Briefs

Bert Ray, art director of "What's New," publication of Abbott Laboratories, North Chicago, Ill., has been presented with the 1949 award of the Artists Guild of Chicago.

E. I. du Pont de Nemours & Co., Wilmington, Del., has installed a new type of x-ray equipment in the offices of its medical division which will permit the taking of stomach x-rays.

Drug Trading Company, Ltd., Toronto, Canada, will distribute more than $97,000 in bonuses this year to 416 employees of the firm who have one year or more of service.

Paul W. Wilcox, director of pharmaceutical research, medical research division, Sharp & Dohme, Inc., Philadelphia, was a speaker at the recent annual meeting of the Ontario Retail Druggists Association at Muskoka, Ontario, Canada.

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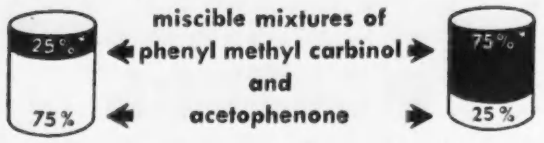

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HIF Releases Makeup Of Board of Directors

Health Information Foundation has released the makeup of its recently-appointed twenty-nine man board of directors. Members of the board, which replaces the organizing board which established the foundation last February, are as follows:—

L. D. Barney, president, Hoffmann-La-Roche, Inc., Nutley, N. J.; Walter Beardsley, president, Miles Laboratories, Inc., Elkhart, Ind.; Francis Boyer, president, Smith, Kline & French Laboratories, Philadelphia; Lee H. Bristol, president, Bristol-Myers Company, New York; A. H. Brush, chairman of board, American Home Products Corporation, New York; Dr. Robert S. Cutter, president, Cutter Laboratories, Berkeley, Calif.; John W. Dargavel, executive secretary, National Association of Retail Druggists, Chicago, Ill., and W. L. Dempsey, president, Sharp & Dohme, Inc., Philadelphia.

Also F. S. Dickinson, president, Becton, Dickinson & Co., Rutherford, N. J.; Howard B. Fonda, vice-president, Burroughs, Wellcome, Inc., Tuckahoe, N. Y.; Leslie Harrop, vice-president, the Upjohn Company, Kalamazoo, Mich.; James Hill, jr., chairman of board, Sterling Drug Company, New York; James J. Kerrigan, president, Merck & Co., Rahway, N. J.; A. William Lescohier, president, Parke, Davis & Co., Detroit, Mich.; W. G. Malcolm, president, Lederle Laboratories Division, American Cyanamid Company, New York; Foster C. McGaw, president, American Hospital Supply Company, Evanston, Ill., and John E. McKeen, president, Charles Pfizer & Co., Brooklyn, N. Y.

Also Dr. E. L. Newcomb, executive vice-president, National Wholesale Druggists Association, New York; Carleton E. Palmer, chairman of board, E. R. Squibb & Sons, New York; S. B. Penick, sr., chairman of board, S. B. Penick & Co., New York; Earl S. Retter, vice-president, Eli Lilly & Co., Indianapolis, Ind.; Merle Sanders, president, Snyder's Drug Stores, Minneapolis, Minn.; John G. Searle, president, G. D. Searle & Co., Chicago, Ill.; George F. Smith, president, Johnson & Johnson, New Brunswick, N. J.; Dr. Franklin Bliss Snyder, president-emeritus, Northwestern University, Evanston, Ill.; Faus J. Solon, vice-president, Owens-Illinois Glass Company, Toledo, Ohio; George Van Gorder, president, McKesson & Robbins, Inc., New York; Ernest Volwiler, preident, Abbott Laboratories, North Chicago, Ill., and E. T. T. Williams, president, Lambert Pharmacal Company, Jersey City, N. J.

De Vilbiss Company, Toledo, Ohio, plans a new plant on Pennsylvania turnpike at Somerset, Pa.

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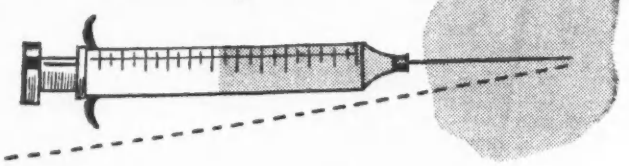

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Maas Chemical Advances Hotz to Managerial Post

A. R. Maas Chemical Company, division of Victor Chemical Works, Chicago, has appointed John Hotz manager of sales for the photographic division. Mr. Hotz, active in the research department of the concern prior to his transfer to the chemical sales division several years ago, recently completed comprehensive technical data sheets on sodium hyposulphite and other chemicals. Copies of these publications are available upon request to the company.

Sease Retires from Du Pont

Dr. Virgil B. Sease, director of the development section of the photo products department of E. I. du Pont de Nemours & Co., Wilmington, Del., has retired after thirty-three years of service with the concern. Dr. Sease joined du Pont in 1917, serving for a three-year period at the Delta Laboratory, Arlington, N. J., and from 1920 to 1925 as research chemist at the Redpath Laboratory, Parlin, N. J.

In 1925 he became director of research for the du Pont-Pathe Film Manufacturing Corporation at Parlin, moving later to Wilmington in the same capacity when this organization became the photo products department. He was made technical consultant to the department in 1942, technical adviser in 1946 and director of development in 1947.

Schering Establishes Endocrine Research Fellowship at Rutgers

Shering Corporation, Bloomfield, N. J., has established a research fellowship in endocrinology at Rutgers University. Valued at $2,300, the grant was made to the university's bureau of biological research for support of fundamental research by graduate students in the field of steriod hormones.

Arner Has New Packaging Service

The Arner Company, Buffalo, N. Y., has extended its packaging and bottling activities to fields allied with the drug trade. The company, which has long served the pharmaceutical field, under the new service will also provide help on packaging problems to, among others, manufacturers of foods, soaps, powders and liquids.

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1,111 bgs, Irving Trust, Brindisi
AMMONIUM CARBONATE—7 dms, Liverpool
ANILIN COLORS—30 dms, Sandoz Chemical Works, Genoa
50 dms, Sandoz Chemical Works, Genoa
94 dms, Lansen Naeve, Rotterdam
8 dms, Arnold Hoffman, Liverpool
32 kgs, Arnold Hoffman, Liverpool
9 dms, Eurasia Corp, Havre
15 dms, Geigy Co, Havre
1 cs, Geigy Co, Havre
ANILIN COLORS—22 dms, Carbic Color & Chemical Co, Rotterdam
ANISE OIL—5 dms, S B Penick, Hong Kong
10 dms, R J Prentiss, Hong Kong
ANTHRAQUINONE COLORS—200 bgs, Arnold Hoffman, Liverpool
ANTIMONY ORE—1,384 bgs, Philipp Bros, Antofagasta
1,492 bgs, Charles Tennent, Antofagasta
REGULUS—20 cks, Charles Gitlan & Co, Antwerp
ARSENIC—127 bbls, American Smelting & Refining Co, Tampico
METAL—20 cms, Charles Tennent, Liverpool
WHITE—39 dms, E Gumpert, Hamburg
ASPHALT, MINERAL—1,020 bgs, National City Bank, Havana
ASPHALT, PETROLEUM—68,209 bbls, Shell Oil
BABASSU KERNELS—1,666 bgs, Central Hanover Bank, Parnaiba
BALSAM PERU—5 dms, Wessel, Duval, Cristobal
BARBERRY ROOT—59 bls, R J Prentiss, Trieste
BARYTES—3,000 bgs, Whittaker, Clark & Daniels, Venice
BAUXITE ORE—9,283 tons, Aluminum Import Corp, Mackenzie
1,980 tons, Alcoa Mining Co, Paramaribo
BAY OIL—2 dms, Dodge & Olcott, Roseau
2 dms, Fleuroma, Inc, Roseau
5 dms, Barclays Bank, Roseau
BEESWAX—22 bgs, Genoa
292 bls, Wax & Rosin Products, Lisbon
200 bgs, Mercantile Metal & Ore, Rio de Janeiro
31 bgs, Strahl & Pitsch, Talcahuano
35 bgs, Steinhardter & Nordlinger, San Antonio
59 bgs, W R Grace, Valparaiso
BERGAMOT OIL—60 half cs, Coty Products, Messina
40 qu cs, Credit Suisse, Messina
BERYL ORE—500 bgs, Murry American Corp, Victoria
1,000 bgs, Beryllium Corp, Rio de Janeiro
BISMUTH—47 cs, Philipp Bros, Rijeka
65 bxs, Cerro de Pasco, Callao
13 cs, Derby & Co, London
BOIS DE ROSE OIL—17 dms, National City Bank, Manaos
12 dms, Ungerer & Co, Manaos
6 dms, U S Rubber Co, Manaos
6 dms, Felton Chemical Co, Manaos
3 dms, Dodge & Olcott, Manaos
20 dms, Lo Curto & Funk, Manaos
16 dms, Orbis Products, Manaos
6 dms, Norda Essential Oils, Manaos
BONE—1,038 bgs, Elbert & Co, Buenos Aires
BRUCINE—5 cs, Lo Curto & Funk, Glasgow
SULPHATE—8 cs, Avia Co, Bremen
CALCIUM HYPOSULPHATE—20 cs, Brauner & Co, London
CANANGA OIL—2 dms, Dodge & Olcott, Tandjong Priok
1 dm, George Lueders, Tandjong Priok
CANARYSEED—111 bgs, Casablanca
CARAWAYSEED—150 bgs, R J Spitz, Rotterdam
150 bgs, Levy & Lewis, Rotterdam
CARDAMOMS—20 cs, Reuben Import Export Corp, Genoa
41 cs, W E Martin, Puerto Barrios
45 cs, P H Petry, Puerto Barrios
CARNAUBA WAX—56 bgs, W Diehl, Fortaleza
622 bgs, Fordom Commercial, Fortaleza
223 bgs, Wessel Duval, Fortaleza
222 bgs, Fortaleza
222 bgs, Pan American Trading, Fortaleza
11 bgs, N Y Handel Industrie, Fortaleza
694 bgs, Wax & Rosin Products, Fortaleza
56 bgs, Wax & Rosin Products, Fortaleza
112 bgs, Innis, Speiden, Fortaleza
112 bgs, American Union Transport, Rio de Janeiro
272 bgs, Wessel, Duval, Fortaleza
188 bgs, Chase National Bank, Parnaiba
144 bgs, 1st National Boston, Parnaiba
63 bgs, Bank of Nova Scotia, Parnaiba
188 bgs, Central Hanover Bank, Parnaiba
CASEIN—500 bgs, Borden Co, Copenhagen
3,000 bgs, Borden Co, Buenos Aires
CASSIA—200 bls, W M Allison, Hong Kong
430 bls, W H Landes, Hong Kong
353 bls, A G Dunn, Hong Kong
300 bls, Arnhold & Co, Hong Kong
OIL—1 dm, S B Penick, Hong Kong
CASTORBEANS—6,780 bgs, Spencer Kellogg, Cabedello
388 bgs, Guaranty Trust Co, Jeremie
748 bgs, Chase National Bank, Jacmel
340 bgs, Spencer Kellogg & Sons, Port au Prince
778 bgs, Guaranty Trust Co, Port au Prince
1,170 bgs, Baker Castor Oil, Port de Paix
31,785 bgs, Spencer Kellogg, Fortaleza
2,040 bgs, Baker Castor Oil, Santos
5,387 bgs, Spencer Kellogg, Bahia
8,386 bgs, Baker Castor Oil, Bahia
OIL—81 tons, Fortaleza
1 cs, Alltransport, Inc, Havre
297,768 kilos, Santos
60 tons, Baker Castor Oil, Santos
CELERYSEED—86 bgs, H T French, Bombay
CHEMICALS—20 dms, Fortsner Chain Corp, Rotterdam
40 cks, Antwerp
2 kgs, M J Corbett, Rotterdam
CHESTNUT EXTRACT—500 bgs, Barkey Import Co, Genoa
CHILLIES—169 bgs, Genoa
CINCHONA BARK—1,371 bgs, Laidlaw Co, Manila
1 cs, E Meer, Montevideo
PRODUCTS—5 cs, Guaranty Trust, Rotterdam
CINCHONIDINE SULPHATE—3 cs, Lo Curto & Funk, Hamburg
CITRIC ACID—40 bbls, Max Van Pels, Hamburg
CITRONELLA OIL—6 dms, Kellys American, London
27 dms, Barber SS Lines, London
6 dms, Polak & Schwarz, Colombo
100 dms, Lo Curto & Funk, Puerto Barrios
125 dms, Givaudan Delawanna, Puerto Barrios
CLARSIL EARTH—1 bg, Standard Oil Co, Havre
COALTAR CHEMICALS—2 dms, Geary Chemical Corp, Rotterdam
DYE—3 bbls, Francolor, Inc, Bombay
PRODUCTS—4 cks, European Chemical Co, Rotterdam
12 dms, Lo Curto & Funk, Rotterdam
COCOA EXPELLER CAKE—715 bgs, General Cocoa Co, Bahia
PRESS CAKE—119 bgs, Woodward & Dickerson, Kingston
COCONUT OIL—16 dms, Procter & Gamble, Manila
505 tons, Philippine Ref Corp, Manila
CODLIVER OIL—176 dms, Rexall Drugs, Reykjavik
15 dms, White Labs, Reykjavik
1,073 dms, American Shipping Co, Reykjavik
COLORS—11 kgs, Arnold Hoffman, Liverpool
20 dms, Hensel Bruckmann, Rotterdam
COPAL GUM—348 bkts, U S Industrial Chemical, Macassar
118 bkts, Internatio Rotterdam, Macassar
118 bkts, O G Innes, Macassar
96 bgs, S Winterbourne, Singapore
CORUNDUM ORE—500 bgs, Charles Tennant & Sons, Beira
COTTON LINTERS—7,214 bls, 1st Nat Bank Chicago, Leningrad
2,174 bls, 1st Nat Bank Boston, Leningrad
3,746 bls, Chase Nat Bank, Leningrad
249 bls, New England Waste, Santos
COTTONSEED OIL—300 tons, Liverpool
CREAM OF TARTAR—100 bbls, Kurt Alexander, Tarragona
CRESYLIC ACID—65 dms, Rotterdam
1 cs, Charles Page & Co, Rotterdam
100 dms, Washine National Sands, Liverpool
85 dms, Rotterdam
1 cs, Charles Page, Rotterdam
CUBE, ROOT—154 bgs, Hecht Levis & Kahn, Callao
CUMIN SEED—180 bls, Kellys America, Rotterdam
CUTTLEFISH BONES—247 cs, Amer Cuttlefish Bone & Crucible, Sfax
65 cs, Societe Generale, Sfax
75 cs, Sfax
CYANIDE PRECIPITATE—7 cs, Irvington Smelting & Refining, Callao
10 cs, American Metal, Callao
DAMMAR GUM—100 cs, S Winterbourne, Singapore
64 bgs, S Winterbourne, Singapore
25 cs, France Campbell & Darling, Singapore
704 bgs, U S Industrial Chemicals, Singapore
192 bgs, W H Scheel, Singapore
25 cs, W H Scheel, Singapore
25 cs, Commercial National Bank, Singapore
DEXTRIN—177 bgs, Bank of Manhattan, Rotterdam
DIMETHYLAMINOXYCHINIZIN—71 cks, Antwerp
DIMETHYLDIPHENYL UREA—4 cs, J E Bernard, London
DITHYLAMINOACETOXYLIDE — 1 cs, Astra Pharm Labs, Gothenburg
EPSOM SALT—2,000 bgs, Lo Curto & Funk, Bremen
EUCALYPTUS OIL—10 dms, Melbourne
1 dm, Lo Curto & Funk, Puerto Barrios
FARAL—86 cs, M Michel & Co, Rotterdam
FATTY ACID—1 dm, Dr W J Coppac, Hull
FERRO TUNGSTEN—168 dms, Chase National Bank, Liverpool
20 cs, Wah Chang Co, Gothenburg
FERTILIZER—54 bls, Chase National Bank, Melbourne
FISH OIL ACID—1 dm, Dr W J Coppac, Hull
FRISONET—192 bls, Irving Trust Co, Leningrad
FUEL OIL—208,000 bbls, Esso Standard Oil, Aruba
507,000 bbls, Esso Standard Oil, Aruba
103,739 bbls, Whale Oil Co, Tampico
100,536 bbls, Paragon Oil Co, Curacao
71,287 bbls, Mexican Petroleum, Curacao
99,196 bbls, Hess Inc, Curacao
102,347 bbls, New England Petroleum, Curacao
101,000 bbls, Mexican Petroleum, Aruba
98,042 bbls, Hess, Inc, Curacao
108,803 bbls, Paragon Oil Co, Curacao
92,000 bbls, Mexican Petroleum, Aruba
105,342 bbls, Paragon Oil, Tampico
10,000 bbls, Asiatic Petroleum, Curacao
GALANGAL ROOT—162 bls, R J Prentiss, Hong Kong
GAS ENRICHMENT OIL—105,699 bbls, Esso Standard Oil, Caripito
GELATIN—200 bgs, Transatlantic Animal By-Products, Rotterdam
2 bgs, Atlantic Gelatin Co, Dublin
132 bgs, T M Duche, Rotterdam
100 bgs, T M Duche, Antwerp
120 bgs, W M Allison, London
GHATTI GUM—57 bgs, Innis Speiden, Bombay
57 bgs, P A Dunkel, Bombay
GINGER—120 bgs, Volkart Bros, Cochin
GLUE, FISH—1 cs, H Dixon, Bergen
STOCK—67 pkg, LePage Inc, Reykjavik
GLYCERIN—100 tons, L Pasternak, Buenos Aires
GRAPHITE—500 bgs, Charles Pettinos, Colombo
GYPSUM, CRUDE—10,242 tons, U S Gypsum, Hantsport
9,339 tons, National Gypsum, Dingwall
HO OIL—3 dms, Norda Essential Oil & Chemical Co, Hong Kong
HONEY WAX—30 bgs, E Vadillo Ruiz, Santiago
INDIUM—3 bxs, Cerro De Pasco, Callao
INSECTICIDE—40 cs, Export Import Service, Ciudad Trujillo
IRISHMOSS—10 cs, M G Larsen, Oslo
IRON OXIDE—1 cs, Alltransport Inc, Havre
JUNIPER TAR—2 dms, C G Mata, Buenos Aires
KARAYA GUM—433 bgs, Thurston & Braidich, Bombay
66 bgs, Jacques Wolf, Bombay
74 bgs, W M Allison, Bombay
484 bgs, Boehr Shipping Co, Bombay
307 bgs, S B Penick & Co, Bombay
201 bgs, Stein Hall & Co, Bombay
333 bgs, Meer Corp, Genoa
LACTIC ACID—3 carboys, European Chemicals, Rotterdam
LANOLIN SOAP—224 bgs, N I Malmstrom, Liverpool
LEMON OIL—40 qtr cs, Canadian Pacific Railroad, Messina
20 bls, Messina
LEMONGRASS OIL—10 dms, Dodge & Olcott, Puerto Barrios
LITHOPONE—1 pk, Nuodex International, Rotterdam
LOCUST BEAN GUM—200 bgs, Stein Hall, Genoa
200 bgs, Charles Products, Genoa
100 bgs, Central Hanover Bank, Liverpool
200 bgs, Stein Hall, Genoa
200 bgs, T M Duche, Genoa
50 bgs, W M Allison, Genoa
100 bgs, American Key Products, Genoa
LUBRICATING OIL—20 cs, N Y & N J Lubricant Co, Glasgow
72 bbls, Winslow Walker, London
MARJORAM LEAVES—35 bls, Rotterdam
MEDICINAL FLOWERS—3 bls, Peek & Velsor, Trieste
19 bgs, R S Prentiss, Genoa
HERBS—9 bls, S B Penick, Antwerp
LEAVES—17 bls, S B Penick, Cape Town
ROOTS—25 bls, National City Bank, Antwerp
MENTHOL—62 cs, Geismar & Co, Santos
40 cs, R Desco, Hong Kong
10 cs, Kane Import Corp, Hong Kong
50 cs, Paul A Dunkel, Hong Kong
58 cs, Vick Chemical, Santos
50 cs, Vick Chemical Co, Santos
METANITROPARATOLUIDIN—50 dms, O W Lochner, Rotterdam
MICA—47 cs, Sigbert Loeb, Rio de Janeiro
45 cs, Cosmopolitan Trading, Rio de Janeiro
81 cs, S Gussel, Rio de Janeiro
46 cs, Otto Gerdau, Rio de Janeiro
136 cs, Sylvania Electric, Rio de Janeiro
100 cs, Western Hemisphere Raw Materials, Santos
61 cs, Brazilian Minerals & Timbers, London
60 cs, American Mica Works, London
MILK SUGAR—11 cs, European Chemicals, Rotterdam
MOLASSES—1,565,335 gls, Instituto Cubano, Nuevitas
382,774 gls, Instituto Cubano, Havana
MOLLE SEED—200 bgs, Merchandise Trading, Puna
100 bgs, Marcel Calvet, Puna
MOLYBDENUM ORE—33 bgs, Philipp Bros, Hong Kong
MUSTARD SEED—112 bgs, Becker Mayer Seed Co, London
200 bgs, R T French, Rotterdam
500 bgs, Charles Gulden, Rotterdam
200 bgs, Charles Gulden, Catania
NAPHTHALENE BALLS—100 cs, Max Van Pels, Hamburg
NAPHTHENIC ACID—2,400 bbls, Stanco, Aruba
NUX VOMICA—308 bgs, Liverpool
OLIVE OIL—60 dms, First National Bank of Chicago, Tarragona
100 dms, Credit Suisse, Tarragona
260 dms, Manufacturers Trust Co, Tarragona
100 dms, Marine Midland Trust, Tarragona
100 dms, Hellenic Bank & Trust Co, Tarragona
26 dms, Credit Suisse, Malaga
100 dms, Olivarera Peninsular, Malaga
250 dms, Chemical Bank & Trust, Seville
206 dms, National City Bank, Seville
154 dms, Manufacturers Trust Co, Seville
27 dms, American Trust Co, Seville
25 dms, A Corrao, Palermo
350 dms, Manufacturers Trust, Seville
50 dms, National City Bank, Seville
100 dms, Credit Suisse, Seville
50 dms, Public National Bank, Seville
50 dms, Chase National Bank, Seville
50 dms, New Jersey Importing Co, Seville
OURICURY WAX—126 bgs, Innis Speiden, Bahia
56 bgs, Stein Hall, Bahia
OX GALL—11 dms, Pellew Wilson, Melbourne
2 cks, Merck & Co, Hamburg
11 cks, Van Gelder Fanto, Buenos Aires
6 bbls, Van Gelder Fanto Corp, Puerto Alegre
33 tcs, Wilson & Co, Buenos Aires
16 dms, C Hollingshend, Buenos Aires
14 bbls, Tupman Thurlow, Santos
10 tcs, Armour & Co, Buenos Aires
2 bbls, Armour & Co, Buenos Aires
8 tcs, International Packers, Buenos Aires
PALM OIL—956 tons, Balfour Guthrie, Matadi
112 tons, Swift Canadian, Matadi
PATCHOULI OIL—2 dms, Antoine Chiris, Penang
1 dm, Tombarel Products, Penang
PEAT LITTER—5 bls, Wilbur Ellis, Gothenburg
5 bls, H S Dorf, Gothenburg
MOSS—400 bls, Rotterdam
482 bls, J E Bernard, Bremen
18 bls, Premier Peatmoss, Bremen
3,600 bls, Premier Peatmoss Corp, Dublin
PENTHALOCYANIDE—2 bbls, Terrazzo Marble & Supply Co, St Thomas
PEPPER, BLACK—159 bgs, Otto Gerdau, Bombay
80 bgs, D Hecht, Bombay
480 bgs, Lo Curto & Funk, Bombay
400 bgs, Bansidhar Gopaldas, Bombay
80 bgs, K A Export, Bombay
80 bgs, Joenson & Cross, Bombay
160 bgs, Barber SS Lines, London
480 bgs, Volkart Bros, Calicut
240 bgs, Internatio Rotterdam, Calicut
160 bgs, V Panachand, Calicut
PETITGRAIN OIL—204 cs, J D Fassarin, Buenos Aires
PETROLEUM, CRUDE—182,899 bbls, Esso Standard Oil, Cartagena
110,433 bbls, Gulf Oil Co, Caripito
247,626 bbls, Esso Standard Oil, Puerto La Cruz
124,472 bbls, Socony Vacuum Oil, Puerto La Cruz
105,770 bbls, Cities Service Oil, Amuay
PITCH, TALL OIL—264 dms, G S Ziegler, Stockholm
POLYETHYLENE PLASTIC MATERIAL—4 cks, Eastman Corp, Rotterdam
POLYVINYL CHLORIDE—70 bgs, American Lucoflex, Havre
42 cs, American Lucoflex, Havre
POPPYSEED—150 bgs, Catz American Co, Rotterdam
POTASSIUM FERRICYANIDE—11 cks, Haras Co, Hamburg
PERMANGANATE—20 dms, E Gumpert, Hamburg
QUEBRACHO EXTRACT—1,000 bgs, International Products Corp, Buenos Aires
7,542 bgs, Tanimex Corp, Buenos Aires
5 bgs, Port of Spain
QUICKSILVER—300 flasks, Leghorn Trading Co, Leghorn
139 flasks, Chase National Bank, Tampico
49 flasks, Chase National Bank, Vera Cruz
1,000 bottles, Mercantile Metal & Ore Corp, Rijeka
RADIUM—1 cs, Radium Chemical, Antwerp
RAPESEED OIL—1 bbl, Atlantic Forwarding Co, Gothenburg
RED IRON OXIDE—10 cks, J H Rhodes, Liverpool
RESIN—12 cs, Schutte & Focke, Ciudad Trujillo
3 bbls, Lo Curto & Funk, London
3 bgs, C G Mata, Buenos Aires
ARTIFICIAL—2 bbls, Rietmann Piker, Bremen
RHUBARB ROOT—9 cs, Lunchang Trading, Hong Kong
SACCHARIN—2 cs, European Chemical, Gothenburg
SAFFRON—16 bgs, Vera Cruz
SAGE LEAVES—461 bgs, Becker Mayer, Beirut
SANDALWOOD—100 bgs, George Lueders, Bombay
SAPHORA JAPONICA—100 bls, Avia Co, Hong Kong
SARSAPARILLA ROOT—36 bls, Tampico
SENNA LEAVES—125 bls, R J Prentiss, London
48 bls, Barber SS Lines, London
SERPENTARIA ROOT—2 bgs, S B Penick & Co, Bombay
SESAME SEED—1,572 bgs, W R Grace, Cristobal
700 bgs, W G Scarlett, Cristobal
OIL—5 cs, Yat Gaw Min Co, Hong Kong
10 cs, Young P Lee, Hong Kong
SILIMANITE ORE—2,501 bgs, Bank of New South Wales, Adelaide
SOAP BARK—60 bls, W R Grace, San Antonio
SOOT GAS—1 cs, Lynn Harrison Phillips Chemical Co, Hamburg
SPERM OIL—98 dms, Glasgow
SPERMACETI WAX—150 ctns, Glasgow
SQUILLS, RED—125 bgs, Irving Trust Co, Naples
STRAMONIUM LEAVES—36 bls, S B Penick, Rijeka
TALC—14,286 bgs, Charles Mathieu, Genoa
TANTALITE ORE—108 bgs, David Taylor, Rotterdam
TARTAR—1,093 bgs, Tartaric Raw Materials, Algiers
THYMOL, SYNTHETIC, USP—10 cs, Lo Curto & Funk, Hamburg
TITANIUM ALUMINUM—8 dms, Charles Tennant, London
TRAGACANTH GUM—30 bgs, Mitchel Beck, London
222 bgs, Bank of New York, London
TRIMETHYLXANTHIN—16 cks, Antwerp
TUMERIC—60 bgs, Volkart Bros, Cochin
TUNG OIL—190 tons, Vongher Low China Co, Hong Kong
300 tons, Bunge Corp, Hong Kong
224 tons, China Mutual Trading Co, Hong Kong
160 dms, Charles Tennant, Buenos Aires
TUNGSTEN SCRAP—3 cs, Manufacturers Trust Co, Stockholm
TUNG GUM—71 cs, L A Dreyfus, Cristobal
ULTRAMARINE BLUE COLORS—150 cks, Standard Ultramarine Co, Hull
UREA—280 bgs, Terra Chemicals, Rotterdam
VANILLA BEANS—42 cs, Philadelphia National Bank, Port of Spain
9 cs, Barclays Bank, Roseau
15 cs, Zinc & Triest, Roseau
75 cs, George Uhe, Marseilles
20 cs, Dodge & Olcott, Marseilles
9 cs, Camex Co, Marseilles
WHITE LEAD—100 kgs, Liverpool
WHITING—400 bgs, Davies Turner, London
3,600 bgs, N H Weitzner, Antwerp
800 bgs, Pluess Stauffer, Antwerp
1,600 bgs, Hammill & Gillespie, Hull
WITHERITE—224,000 lbs, E I du Pont de Nemours, Hull
WOLFRAM ORE—160 bgs, Chang Trading Co, Penang
200 bgs, Westinghouse Electric International, Melbourne
WOOD FLOUR—339 bgs, Burnet Co, Gothenburg
1,728 bgs, Monsanto Chemical Co, Gothenburg
900 bgs, A Morner, Gothenburg
WOOL GREASE—28 dms, Melbourne
18 dms, Orbis Products, Manchester
150 dms, N I Malmstrom, Manchester
ZINC OXIDE—1 ck, Bristol Trading Co, Genoa

Baltimore

BABASSU OIL—174 tons, Lever Bros, Sao Luiz Do Maranhao
BONE—90 tons, Buenos Aires
MEAL—2,172 bgs, E J Lang, Antwerp
2,200 bgs, Maurice Pincoffs, Alexandria
1,102 bgs, Wessel Duval, Antwerp
CASTORBEANS—1,694 bgs, Baker Castor Oil, Salvador
CHESTNUT EXTRACT—502 bgs, Barkey Importing Co, Genoa
CHROME OXIDE—382 dms, Union Carbide & Carbon, Sauda
CODLIVER MEAL—1,000 bgs, Albumina Supply Co, Kristiansund
COPAL GUM—60 bskts, O G Innes, Macassar
FERRO MANGANESE—3,756 tons, Union Carbide & Carbon, Sauda
1,016 tons, Continental Ore Corp, Boulogne
MANGANESE ORE—2,348 tons, Casablanca
PEANUT MEAL—6,048 bgs, International Packers Commercial, Santos
PEATMOSS—425 bls, S Shapiro, Hamburg
350 bls, Rotterdam
100 bls, S Shapiro, Bremen
QUEBRACHO EXTRACT—1,981 bgs, Tanimex Co, Buenos Aires
3,400 bgs, Bank of London, Buenos Aires
3,200 bgs, Buenos Aires
2,678 bgs, River Plate Import & Export, Buenos Aires
4,146 bgs, River Plate Import & Export, Buenos Aires
TANKAGE—1,050 bgs, Tupman Thurlow, Buenos Aires
TAPIOCA FLOUR—612 bgs, Bankers Trust Co, Buenos Aires
225 bgs, Geismar Co, Buenos Aires
TOTANNIN—1,600 bgs, W H Proctor & Co, Drammen
WATTLE EXTRACT—1,636 bgs, American Cyanamid, Durban
4,162 bgs, River Plate Import & Export, Durban

Boston

BONE—2,145 bgs, Eastman Gelatine, Montevideo
945 bgs, Eastman Gelatine, Santos
1,050 bgs, Tupman, Thurlow, Buenos Aires
GLUE—500 bgs, Antwerp
CASEIN—368 bgs, S D Warren Co, Rotterdam
CASEIN—1,000 bgs, Paul A Dunkel, Buenos Aires
CODLIVER OIL—140 dms, Chemical Bank, Kristiansund
COLORS—1 bg, I M Sobin, Hamburg
CRESYLIC ACID—1 dm, I M Sobin, Liverpool
GLUE POWDER—300 bgs, Nicholson & Co, Liverpool
STOCK—211 bls, Manufacturers Trust Co, Recife
28 bls, H Remis, Cristobal
123 bls, John Gorvers, Cristobal
IRISH MOSS—309 bls, Algin Corp, Havre
MANURE CHEMICAL—181 bgs, Doggett Pfeil, London
MICA—71 cs, Asheville Schoonmaker, London
NAPHTHALENE—1,020 bgs, Antwerp
OLIVE OIL—75 dms, 1st National Bank of Boston, Seville
660 dms, Alona Co, Barcelona
OSSEINE—2,540 bgs, Atlantic Gelatin Co, Antwerp
PEAT DUST—5 bbls, Bird Machine Co, Dublin
MOSS—375 bls, New Amsterdam Import Co, Bremen
600 bls, Premier Peatmoss Corp, Bremen
POPPYSEED—20 bls, Stickney & Poor, Rotterdam
QUEBRACHO EXTRACT — 2,075 bgs, Tanimex Corp, Buenos Aires
1,160 bgs, International Products, Buenos Aires
8,861 bgs, Tanimex Co, Buenos Aires
1,795 bgs, Bank of London, Buenos Aires
TAPIOCA FLOUR—1,220 bgs, Bangkok
3,000 bgs, Geismar & Co, Santos
VEGETABLE WAX—15 bgs, H B Morse, London
WHITING—400 bgs, N H Weitzner, Antwerp
WOOL GREASE—25 bbls, L M Crane, Manchester

Camden

BONES—3,233 bgs, Credit Suisse, Buenos Aires
LICORICE ROOT—3,673 bls, Guaranty Trust, Leningrad
ILMENITE ORE—6,000 tons, American Cyanamid, Kolithottam

Charleston

CHROME ORE—2,000 tons, Base Metals Co, Cebu

Hampton Roads

CHROME ORE—10,094,678 lbs, E J Lavino, Beira

Los Angeles

BONEMEAL—2,200 bgs, H V Nootbar, Alexandria
TALC—80 bgs, Charles Mathieu, Genoa
THYME LEAVES—29 bgs, Hismoco American, Marseilles

New Orleans

CINNAMON QUILLS—25 bls, H T Cottam, Colombo

Norfolk

COCOA EXPELLER CAKE—1,061 bgs, Monsanto Chemical Co, Bahia
RESIDUE—1,334 bgs, Woodward & Dickerson, London
QUEBRACHO EXTRACT—549 bgs, River Plate Import & Export, Buenos Aires
STARCH, POTATO—200 bgs, Stein Hall, Rotterdam
QUEBRACHO EXTRACT—1,030 bgs, Buenos Aires
1,578 bgs, Bank of London, Buenos Aires
1,084 bgs, River Plate Import & Export, Buenos Aires
2,053 bgs, C M Loeb Rhoades, Buenos Aires
STARCH, SOLUBLE—300 bgs, Stein Hall, Rotterdam
TAPIOCA FLOUR—406 bgs, Bangkok
TRAGASOL GUM—60 cks, J P Marston, Liverpool

Philadelphia

ALUMINUM SCRAP—10,913 ingots, Gallagher & Ascher, Rotterdam
ARABIC GUM—150 bgs, Brown Bros-Harriman, Port Sudan
1,000 bgs, Philadelphia National, Port Sudan
ASBESTOS FLOUR—1,100 bgs, Commercial National Bank of Boston, Loureneo Marques
349 bgs, Frering Trust Co, Durban
BERYL ORE—2,500 bgs, Bank of Manhattan, Cabadello
BONE, CRUSHED—3,475 bgs, Credit Suisse, Buenos Aires
5,000 bgs, Kind & Knox, Calcutta
GRIST—250 bgs, Baugh & Sons, Tekla
CASEIN—670 bgs, International Packers Commercial, Cape Town
CELESTITE—1,427,552 lbs, E I du Pont de Nemours, Avonmouth
CHEMICALS—40 dms, Industrial Sales, Antwerp
CRESYLIC ACID—100 dms, Charles Page & Co, Rotterdam
105 dms, George A Skeet, Liverpool
201 dms, Glasgow

DIVI DIVI—800 bgs, Taylor White Extracting Co, Madras
200 bgs, Philadelphia National Bank, Madras
FLUORSPAR—100,000 kilos, Charles Kurtz, Rotterdam
GLYCERIN—642,685 lbs, Chemical Bank & Trust, Buenos Aires
GYPSUM—12,289 tons, U S Gypsum, Hantsport
ILMENITE ORE—6,000 tons, American Cyanamid, Calcutta
LEAD—2,729 ingots, Chase National Bank, Rotterdam
20,169 bars, American Metal, Tampico
5,310 bars, Amer Smelt & Ref Co, Tampico
LEPIDOLITE ORE—1,218,785 lbs, Philadelphia National Bank, Walvis Bay
MANGANESE ORE—508,000 kilos, Bowring & Co, Casablanca
METACRESOL—4 dms, H A Gogarty, Liverpool
MOLASSES—130 dms, American Sugar Refining, Tarafa
MYROBALAN EXTRACT—100 bgs, American Cyanamid, Liverpool
NAPHTHALENE—3,333 bgs, Allied Chemical & Dye, Rotterdam
2,777 bgs, Barrett Div, Rotterdam
1,257 bgs, Antwerp
3,333 bgs, Rotterdam
ORTHOCRESOL—200 dms, Glasgow
PEATMOSS—38,250 kilos, Bank of Manhattan, Rotterdam
100 bls, Bank of Manhattan, Rotterdam
500 bls, E J Lang, Bremen
450 bls, Kerr Maurer, Bremen
700 bls, Halfmoon Trading Co, Rotterdam
450 bls, Bank of Manhattan, Dublin
201,843 bbls, Texas Oil Co, Rastanura
124,642 bbls, Socony Vacuum, Covenas
QUEBRACHO EXTRACT—381 bgs, Chase National, Buenos Aires
570 bgs, Bank of London, Buenos Aires
RAPESEED—100 bgs, Rotterdam
RED IRON OXIDE—1,087 bgs, F B Vandegrift & Co, Malaga
SHELLAC—50 bgs, Mac Lac, Calcutta
UREA—2,000 bgs, Chemical Manufacturing Co, Liverpool
WATTLE BARK—1,650 bls, Bank of New York & 5th Ave, Durban
EXTRACT—1,040 bgs, Bank of New York & 5th Ave, Durban
WHITING—900 bgs, Nicholas H Weitzner, Antwerp
ZINC DROSS—14,465 ingots, General Smelting Co, Rotterdam

San Francisco

AGAR—5 bls, B D Berelson, Kobe
ALBUMEN, EGG—14 cs, Max Van Pels, Taku Bar
112 cs, M Todrin, Taku Bar
224 cs, Edson & Pratt, Taku Bar
ANTIMONY ORE GOLD CONTENT — 150 dms, Derby & Co, Sydney
ASBESTOS FIBER—1,000 bls, Commercial National Bank, Lourenco Marques
BOOT POLISH—366 cs, Beton Co, London
BONEMEAL—2,205 bgs, F H Appleby & Co, Antwerp
389 tons, Consolidated Chemical Indust, Rosario
365 tons, Buenos Aires
CAKE MEAL—1,956 bgs, Buenos Aires
CALCIUM SULPHATE—8,850 tons, Kaiser Gypsum, San Marcos
CASEIN—360 bgs, American Cyanamid Co, Buenos Aires
120 bgs, Bunge Corp, Melbourne
CASTOR OIL—85 dms, Pacific Vegetable Oil, Bangkok
CASSIA—100 bls, H M Newhall & Co, Hong Kong
COPAL GUM—63 bgs, Henry W Peabody, Manila
279 bgs, Singapore
EUCALYPTUS LEAVES—28 bls, Nassau Chemicals, Melbourne
FERTILIZER—610 bgs, Buenos Aires
FISHLIVER OIL—2 dms, Albumina Supply Co, Yokohama
GALENA ORE—600 dms, Amer Smelt & Ref Co, Manila
1,311 bgs, Amer Smelt & Ref Co, Manila
GINGER—50 cs, 1st National of Chicago, Hong Kong
MENTHOL—20 cs, Rudolph Desco, Taku Bar
MINERAL CONCENTRATES—230 dms, American Smelting & Refining Co, Manila
NIGERSEED—195 bgs, Otto Gerdau, Singapore
OLIVE OIL—25 dms, Barcelona
250 dms, Malaga
50 dms, R Vannucci & Co, Malaga
100 dms, Parodi Erminio & Co, Malaga
100 dms, Monteverde & Parodi, Malaga
ORE CONCENTRATES—36 dms, American Smelting & Refining, Cutuco-La Union
SLAG—19 dms, Amer Smelting & Ref Co, Cutuco La Union
PAPRIKA—25 bgs, D Hecht & Co, Hamburg
PEPPER, RED—1 bg, Griffith Labs, Manila
PERFUME—1 cs, M Marcel Hirsh, Havre
PIMENTO—55 bgs, D Hecht & Co, Hamburg
PIMENTO—100 bgs, B C Ireland, Kingston
POULTRY LITTER—5 bls, Hoyt & Heppner, Bremen
PYROTECHNICS—570 cs, T B Williams, Hong Kong
SADDLE SOAP—250 ctns, Beton Co, London
SCHEELITE ORE—2,000 bgs, National City Bank, Fusan
85 bxs, F H Lenway, Fusan
SEAWEED—3 cs, North American Foods, Nagoya
SESAME SEED—3,876 bgs, Pacific Vegetable Oil, Taku Bar
SODIUM GLUTAMATE, MONOBASIC—5 cs, Ray Tibbits & Co, Yokohama
NITRATE—200 bgs, Grace Lines, Inc, La Libertad
TAPIOCA FLOUR—25 bgs, H M Newhall & Co, Singapore
PEARL—75 bgs, H M Newhall & Co, Singapore
SEED—53 bgs, Catz American Co, Singapore
TIN—200 tons, Carnegie Illinois Steel, Singapore
TUNG OIL—90 dms, D Hecht & Co, Hong Kong
1,897 dms, Pacific Vegetable Oil, Taku Bar
1,587 dms, Vongher Low China Co, Taku Bar
WHALE LIVER OIL—3 dms, Albumina Supply Co, Yokohama
WHITING—4,000 bgs, N H Weitzner, Antwerp

Wilmington

BARYTES, RAW—500 tons, Philipp Bros, Rijeka

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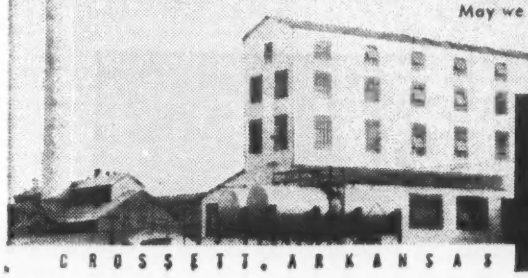

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Botanical Drugs, Spices, Gums

Demand for botanicals continued to be spotty last week. The pressure on prices was mainly downward, exceptions being the higher quotations developed by Syrian fenugreek seed, Jamaica ginger root, Mexican anise, East India broken nutmegs, black and white peppers, and Alleppey as well as Haitian turmeric root. Downward pressure, generated by exceptionally narrowed sales outlets, brought declines in Czech anise and fennel seeds, Batavia and China cassias, Indian celery seed, grains of paradise, West Indian mace, Bohemian and Chilean marjoram, Haitian and Nigerian red peppers, Greek and Syrian sage, Chinese cantharides, Moroccan fenugreek seed, and rhubarb root. The market index was off 0.8 point to 184.9.

Cables from India reported a rise in the export tax to 30 percent ad valorem, meaning an increase of about 19c. over the then current export levels a part of which was passed to buyers. Were it not for the recrudescence of Indonesian pepper, all of the increase probably would have been so assessed.

An oddity of the week was a shipment offering of celery seed described as "Italian." Celery seed from Italy would seem to be a curiosity. An overstock of grains of paradise has followed acute scarcity. Gingers were stronger in all markets and higher in many. Cassias were weak locally because of oversupply in an inert market. Clove was strong wherever it was found. Anent Dalmatian sage, what was described as "mysterious government negotiations" stranded new crop prospects.

Rhubarb was under pressure originating by the growing supply of Indian root even as Chinese material shrinks in supply. Chinese cantharides sought buyers through lower prices with indifferent success. Ipecac root seemed steadier. Lobelia price trend in the country still had to be determined. Senega root no longer yielded price position. Goldenseal was out of demand but prices seemed no longer to seek lower levels. Replacement cables from abroad seemed attractive on basil, colombo, horehound, lavender, valerian and thyme.

Balsams

Peru—Jobbing business comprised most of the undertakings last week and the trading failed to affect the relatively steady prices quoted at 87c. to $1.10 per pound.

Tolu—Competition was not very active last week; on the contrary, sellers were little disposed to entertain buyers' bids. The quotations were firmly maintained in all quarters. Demand was light and mainly for nearby requirements.

Barks

Buckthorn — No further recession in prices took place last week. In place of continued unsettlement, the market took on the atmosphere of steadiness despite the not very active call from manufacturing consumers.

Cascara Sagrada—The market was said to be gaining rather than losing strength, probably as the result of the prevailing cost of new crop peeling operations in the primary market. Some considered that the minimum spot price should be 32c. per pound, but it was understood that 30c. could be done in some instances.

White Pine—The outlook was for a good sized collection in view of the activity in the southern lumber camps. The cost of collection was expected to be very close to that a year ago.

Imports Detained by FDA

Week Ended June 23

New York

Phillies, 2,441 bags; live and dead insects.
Ergot, 48 bags; not USP.
Laurel leaves, 181 bales; filthy.
Moss, 70 bales; live insects.
Mustard seed, 400 bags; filthy.
Nutmegs, 512 bags; moldy and wormy.
Orange peel, 21 bags; insect infested.
Pepper, black, 640 bags; moldy and insect bored.
Rhubarb root, 120 cases; insect bored and contains live insects.
Sage leaves, 84 bales; live and dead insects; not official variety.

Boston

Insulin, 5 vials; not certified.

Market Trends

Prices Advanced

Drugs

Fenugreek seed, Syrian, ¼c. per lb.
Ginger root, Jamaica, No. 1, 2c. per lb.
No. 2, 1c. per lb.
No. 3, 1c. per lb.

Other Articles

Anise, Mexican, ½c. per lb.
Nutmegs, E.I., broken, limed, 1c. per lb.
Pepper, black, spot, 11c. per lb.
white, spot, 15c. per lb.
Turmeric root, Alleppey, 1c. per lb.
Haitian, ¼c. per lb.

Prices Reduced

Drugs

Cantharides, Chinese, 15c. per lb.
Fenugreek seed, Moroccan, ½c. per lb.
Rhubarb root, 10c. per lb.

Other Articles

Anise, Czech, ½c. per lb.
Cassia, Batavia, longstick, broken, 1c. per lb.
shorstick, 8c. per lb.
China, Canton, Kwangsi, select, ½c. per lb.
broken, ½c. per lb.
Honan, Yunnan, rolls, scraped, whole, ½c. per lb.
broken, ¼c. per lb.
unscraped, whole, ½c. per lb.
broken, ½c. per lb.
Celery seed, Indian, ½c. per lb.
Fennel seed, Czech, 2c. per lb.
Grains of paradise, 3c. per lb.
Mace, West Indian, 1c. per lb.
Marjoram, Bohemian, 2c. per lb.
Chilean, 1c. per lb.
Oregano, Portuguese, ½c. per lb.
Pepper, red, Haitian, 1c. per lb.
Nigerian capsicums, 1c. per lb.
Sage, Greek, 4c. per lb.
Syrian, 4c. per lb.
Sesame seed, Chinese, hulled, 1c. per lb.
Turmeric root, Madras, ½c. per lb.
Vanilla beans, Bourbon, 50c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 1, 1949
184.9	185.7	188.9	193.6	178.8

(For Current Prices see Page 9)

Beans

Vanilla—The market here has turned easier under the cloying influence of very limited demand from the extract manufacturers at this time. Their inventories of beans were reported to be substantial by reason of the heavy purchases made during the first quarter of the year. Inactivity on spot has been communicated to the foreign markets and reports from France indicated that American importers had been aloof from the French market for some time past.

News from Madagascar was to the effect that the next crop should be about normal in size and the future of prices, when viewed from the vantage point of current activity, would appear to be fairly favorable. News from Marseilles was to the effect that the unsold stock of good quality beans was moderate.

Spot quotations on Bourbon beans were lower at $4.25 to $4.50 per pound; some quoted $4.50 minimum, which was said to be a "nice price if you can get it." Mexican beans were in extremely low supply and the quotations on whole beans were nominal. A limited amount of cuts was available at $6.50 to $6.75.

Flowers

Chamomile—In view of the strictly jobbing size of current buying, local quotations on both Hungarian and Roman flowers were surprisingly steady. None of the local dealers would shade prices. One local quarter did offer Roman flowers for later delivery at 82c. per pound, in comparison with the current spot quotation of 85c., lowest.

Lavender—Prices quoted on Spike lavender from Spain were very low—about 42c. per pound below the replacement quotations named on good quality flowers from France. The local market was virtually inert, a seasonable condition of affairs.

Gums

Benzoin—The dullest time of year found the market relatively steady so far as prices were concerned. However, there seemed to be little chance definitely to test the disposition of dealers in the matter of acceptance of bids for spot goods.

Locust Bean—Replacement markets held definitely steady, and offerings most often were of goods for despatch later in the Summer. Current requirements of the textile and food interests—the two principal consumers—were conservative.

Herbs and Leaves

Belladonna — Prices lacked further change, but they were easy because of substantial competition in local circles.

Buchu—A buyers' market still prevailed

For Late Market Developments, See Page 4

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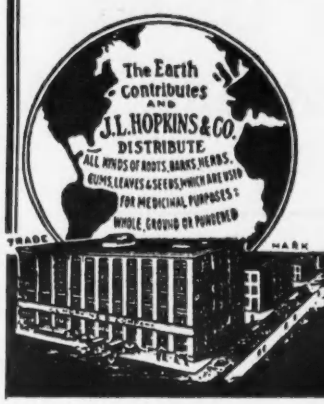

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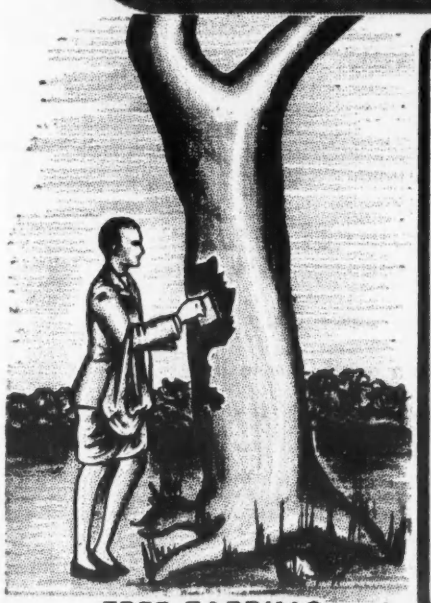

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but open quotations remained unchanged last week. Stocks and demand were out of joint.

Horehound—Foreign market prices were low and attractive, resulting in import purchases, which, on arrival here, are apt to be offered at less than current spot quotations.

Marjoram—Bohemian herb was reduced sharply to 36c. to 36½c. per pound. Chilean was moderately lower at 34c. to 34½c. Other varieties lacked change. The spread between spot and primary market prices on French material was exceptionally wide.

Sage—Syrian was down sharply to 18c. to 18½c. per pound, and Greek goods were also lowered to 18c. to 19c. Dalmatian at $1.10 was backed solely by jobbing quantities. A local broker reported that: "The prospects for the new crop (of Dalmatian leaves) are stranded by mysterious government negotiations."

Sweet Basil—Spot stocks were hard to find. Replacement offerings of French herb were made at 65c. per pound. Italian herb, 85c.—both c.i.f. New York.

Miscellaneous

Cantharides — Whole Chinese flies dropped again, ending last week at 75c. to 85c. per pound for whole and 90c. to $1.05 for powder.

Grains of Paradise—Oversupply has succeeded acute scarcity—with the usual effect on prices. Local quotations dropped again and reached 42c. to 45c. per pound early in the week.

Roots

Ipecac—The tendency to accept reasonable bids still prevailed, but it failed to find further reflection in spot quotations. Support of the market by buyers was limited.

Rhubarb—Chinese root was down to 70c. to 80c. per pound for whole and 80c. to 90c. for powder, but the movement related to expanding competition from imports from India and not from any important gain in actual or prospective stocks of Chinese root.

Turmeric—Alleppey root was raised to 30c. to 30½c. per pound. Haitian was up to 10c. to 10¼c. And Madras was advanced to 15c. to 15¼c. The forward as well as spot positions were firmer following the advances.

Seeds

Anise—Czech seed was shaded to 13½c. to 13¾c. per pound. Mexican rose to 15c. to 15½c. when supplies sank. Chinese goods remained firm.

Celery—Indian seed was down a fraction to 23½c. to 24c. per pound. French remained unchanged at 34c. to 35c. An oddity was an offering of seed described as "Italian" and available for import at 22¾c.

Fennel—Czech seed dropped sharply to 9c. to 10c. per pound under competition for the little business reaching the market. Indian and French seed remained at 11c. to 11½c.

Fenugreek—Moroccan seed was shaded a ¼c. in selling at 6c. to 6½c. per pound. Syrian fetched ¼c. more at 6½c. to 6¾c.

Spices

Cassia—Practical shifting of prices was evidence of what amounted to oversupply in a market of narrow consumption. Quotations were:—Batavia, broken longstick, 14c. to 14½c. per pound; shortstick, 15c. to 16c.; China, Canton and Kwangsi rolls, select, 10½c. to 11c.; broken, 9c. to 9½c.; Honan and Yunnan rolls, whole, scraped, 13¼c. to 13½c.; broken, 13c. to 13½c.; unscraped, whole, 13c. to 13¼c.; broken, 12½c. to 13c.

Ginger—All varieties showed strength. Jamaica was higher as:—No. 1, 58c. to 60c. per pound; No. 2, 54c. to 56c.; No. 3, 52c. to 53c.

Pepper—Black pepper prices continued to fluctuate from day-to-day—nay, from hour-to-hour. Up on one transaction; down on the next. But by midweek a net rise in prices made the market on spot $1.20 to $1.21 per pound while shipment was $1.18 to $1.19. These quotations represented a 6c. advance over prices prevailing on Friday, June 23.

India has changed its export tax, making it 30 percent ad valorem, which amounted to about 19c. at levels prevailing when the change was made. Cables from India indicated that at least a part of this higher cost would be paid by buyers throughout the world. The future of prices, however, will depend greatly on how much and how steadily Indonesia offers shipment parcels and at what prices.

White pepper was a comparatively scarce spot commodity and not less than $2.25 per pound could be done at any time last week. Red peppers continued easy under light demand. Haitian and Nigerian peppers were off moderately in price.

Pepper prices prevailing Friday afternoon were as follows:—Spot black pepper, $1.25 to $1.26 per pound; shipment $1.25 to $1.26. White pepper, $2.25 to $2.30.

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Essential Oils, Other Aromatics

With the majority of price fluctuations resulting in higher prices, last week found the essential oils and aromatic chemicals market decidedly on the strong side. A number of domestic oils, including peppermint, sassafras and sweet birch, reflected the scant carryovers by moving up in price. Scarce floral oils, such as geranium and vetiver, continued their upward trend as a result of the further strengthening of primary source prices. Price rises were also noted for Ceylon citronella, juniper berry, Italian mandarin, pimento berry, snakeroot and five other oils. Ample supplies caused declines in the quotations of white camphor and lemongrass oils. Local price reductions were made in ylang-ylang and clary oils, but the trade pointed out that the moves were no indication of actual conditions. The large number of price advances caused an increase of 3.2 points in the index, which became 132.7.

The difficult political situation of the Far East has not yet noticeably affected the oils which originate in that section of the world. However, dealers were concerned as to the future of anise and cassia oils, which were already in rather firm positions. It was thought possible that camphor oil, which last week dropped in price, might also feel the effects of the situation.

Oils of domestic origin were generally strong during the past week, what with the end-of-year shortness of stocks. New crops of sassafras and sweet birch oils were expected to be ready for market within the next month or so, and dealers felt production might bring some favorable changes. Peppermint crops were reported by Department of Agriculture studies to be generally in good condition making an optimistic view of that market for the near future.

Citrous oils showed strength and stability. Italian oils were particularly firm and reports of increases in replacement costs of both mandarin and bergamot oils were received. Lemon oil from that source continued to be tight with small quantities being shipped to domestic markets.

In a review of the market during the first half of 1950, dealers stated that business was decidedly good. One firm reported a 20 percent higher volume of business during that period as compared with January-June of 1949. During the past week trading continued to be active and the main problem facing dealers was the difficulty of getting replacements of scarce items.

Market Trends

Prices Advanced

Citronella oil, Ceylon, 2c. per lb.
Eucalyptus oil, 80-90%, 2c. per lb.
Geranium oil, Bourbon, $1 per lb.
Juniper berry oil, 10c. per lb.
Lemon oil, Calif., 25c. per lb.
Lignaloe wood oil, Mexican, 15c. per lb.
Mandarin oil, Italian, 10c. per lb.
Nutmeg oil, West Indian, 20c. per lb.
Peppermint oil, natural, 10c. per lb.
redistilled, 5c. per lb.
Pimento berry oil, 20c. per lb.
Rosemary oil, technical, 1c. per lb.
USP, 2c. per lb.
Sage oil, Spanish, 5c. per lb.
Sassafras oil, artificial, 5c. per lb.
natural, USP, 15c. per lb.
Snakeroot oil, 50c. per lb.
Sweet birch oil north, 25c. per lb.
south, 10c. per lb.
Vetiver oil, Haitian, 60c. per lb.

Prices Reduced

Camphor oil, white, 5c. per lb.
Lemongrass oil, 10c. per lb.
Nutmeg oil, East Indian, 5c. per lb.
Sage oil, clary, 50c. per lb.
Ylang-ylang oil, Bourbon, $1.75 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 1, 1949
132.7	129.5	126.1	102.8	100.8

(For Current Prices see Page 9)

Essential Oils

Anise—Although there has been some abatement in the quantities being shipped, spot stocks continued to be large and all orders were being filled easily. Prices were unchanged at 95c. to $1.30 per pound; the majority of offers were made at $1.05 to $1.10. According to reports received by dealers, there has been some tightening of replacements at the origin, reflecting the unrest in that part of the world, and new shipments were up 10c. per pound.

Bergamot—There were sufficient supplies available on spot to fill the active demand at steady prices. Italian oil was offered between $4.30 and $4.75 per pound, depending upon brand. Reports from Italy have indicated an upward movement in replacement costs, according to the trade. The artificial product could be had at prices from $1.50 to $3.50 per pound, varying as to quantity.

Camphor—A drop of 5c. per pound was made in the minimum offer of white oil, which put the market at 20c. to 60c. per pound. Sassafrassy oil was offered at 23c. to 60c. per pound. The primary market was rather strong, as might be expected of materials out of the Far East. However, the spot market seemed to be well-supplied and there was no difficulty in meeting requirements.

Cassia—With few offers of acceptable oil coming from the source, the spot market held firmly at $2.50 to $2.85 per pound. Consumers showed the usual active interest and requests were being met, for the most part. Political developments in the Far East have not yet altered the local situation, but observers felt that the next few weeks may bring some new developments.

Citronella — The minimum offer of Ceylon oil moved up slightly to $1.07 per pound, but, in general, offers were made at fairly reasonable prices, ranging up to $1.50. Replacements were reported to be somewhat higher, although the local market has not shown the effects, as yet. There was active inquiry from producers of mosquito repellents and soap powders. Some Java material was available and there were good quantities of the Java-type article to be had.

Clove—Market conditions continued on the strong side at $1.65 to $1.95 per pound. Local supplies were fairly good and demand was active. Indications from abroad of a 20 percent increase in shipment prices were noted by dealers, but have not yet affected the local situation.

Eucalyptus—Scant supplies and a sharp increase in the cost of replacements from Australia brought a 2c. rise in the quotation of 80-90 percent grade oil, which was offered at 67c. to 98c. per pound. The 70-80 percent item was still available at 55c. to 83c. per pound. Large quantities received from Spain and other sources have kept the prices fairly reasonable. Consumer interest was high.

Garlic—Prices were stable, one dealer offering the material at $7.50 per ounce, while others asked prices ranging up to $8. As a rather costly item, the oil was traded in small quantities and stocks were sufficient to meet all needs.

Geranium—Continuing to be extremely scarce and with replacements promising to go higher, Bourbon oil moved up $1 a pound last week and ranged from $19.50 to $22.50 per pound. Some handlers have curtailed buying for fear of being left with material beyond the means of consumers.

Juniper Berry—A new rise of 10c. per pound was noted in the minimum offer of NF oil, which put the price range at $3.10 to $3.25 per pound. The twice rectified article was unchanged at $3.75 to $7 per pound.

Lemon—Reflecting the advanced cost of production and the difficult position of competitive Italian material, which had forced prices down some months back, the largest California producer last Friday increased its price by 25c. per pound, putting the range at $2.85 to $3.50. Messina oil remained extremely tight and only small quantities could be had at the minimum price.

Lemongrass — Further easing of the price last week put this item at $1.75 to $2.30 per pound. An already soft market was weakened still more by large shipments from India and Indo-China. Strong demand for citral has helped to maintain interest in the oil and kept it from becoming overly abundant.

Lignaloe—There was a rise of 15c. per pound in the price of Mexican wood oil, which was sold at $3.50 by those dealers who had stocks. Very few offers of new material were made at the source and some houses have temporarily suspended dealings in the item.

Mandarin—Italian oil moved up 10c. per pound to range at $3.95 to $8.50 per pound, depending upon brand. Renewed strength was shown at the source. Floridian oil was unchanged at $1.60 to $1.75 per pound and seemed to be freely offered.

Nutmeg — Material from East Indian sources was offered as low as $3.10 per pound by one dealer. Throughout the market, however, quotations were generally nearer to the maximum offer of $3.55. West Indian oil was somewhat firmer at prices ranging from $3.35 to $3.50 per pound. There did not seem to be much

For Late Market Developments, See Page 4

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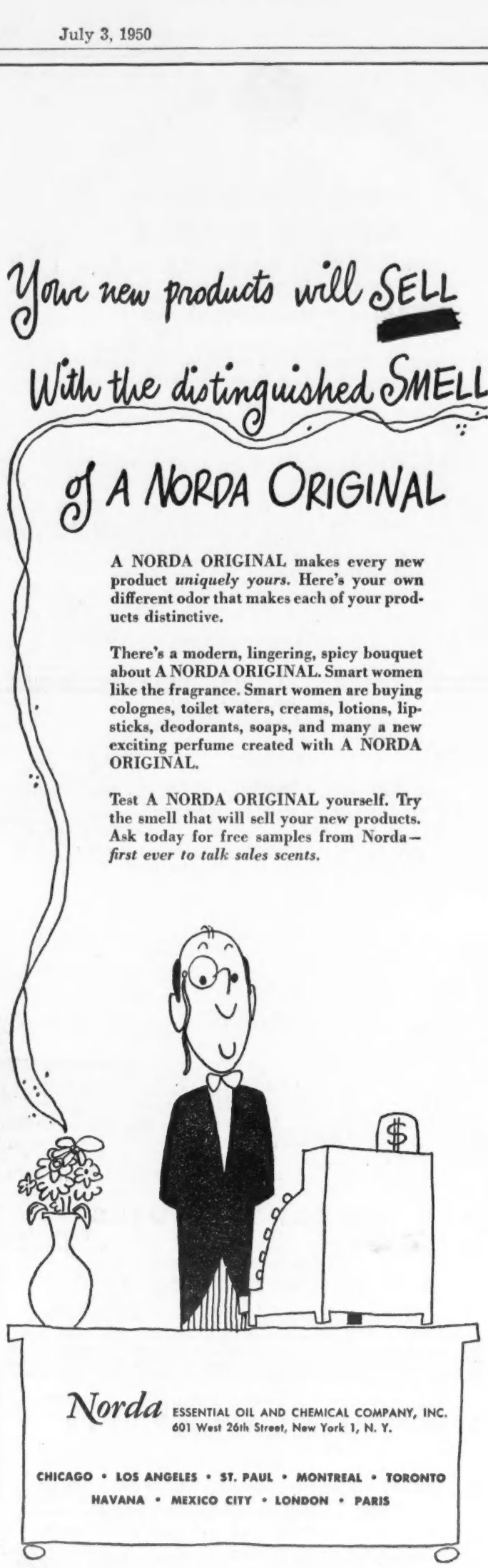

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activity in the marketing of these items, and all inquiries were easily met.

Orange—No change was noted in the quotations of all types. California oil continued to be offered at 60c. to $1 per pound, according to producer, while Florida material could be had at 40c. to $1. Italian oil was quoted at $2.85 to $5.50 per pound. Supplies presented no problem and were adequate to comfortably fill all requirements.

Peppermint—After a drop in the price of both natural and redistilled material a few weeks ago, last week saw advances in both grades. Natural oil was quoted at $6.15 to $7.25 per pound and USP grade was offered at $6.50 to $7.65. The outlook for the new crop was rather bright, according to a report originating with the Bureau of Agricultural Economics. The report made the following comments on mint production, as of June 15:—

"Michigan growers are anticipating a good yield this year. The wet, cold spring slowed growth but most beds are now ahead of the 1949 crop. Some fields are poorly drained and consequently some roots were drowned out.

"Early June rains were beneficial in all Washington peppermint areas. There is a wide variation in present condition of fields, but prospects continue generally favorable. Best developed fields in the Mabton area have excellent stands and plants are sending out many runners. However, there are also some plantings with very thin stands which have made little growth to date. In the Kennewick area the crop is more advanced, with plants showing larger stems and good leaf formations."

Pimento—Offered at $3.85 to $5.35 per pound, slightly higher than in previous weeks; berry oil stocks were adequate to meet consumer needs. Leaf oil remained unchanged at $1.30 to $1.70 per pound.

Rosemary—Slight increases were made in both technical and USP grades; the former was sold at 80c. to $1.50 per pound and the latter at 92c. to $1.30. The market was still rather weak. Stocks were plentiful and demand was rather light, but there were signs of tightening at the origin, according to word received by dealers.

Sage—After the dip in the price of Spanish oil a few weeks ago, last week saw quotations move back up to range between $1 and $2.10 per pound. Most dealers held their prices at or close to the minimum. Oil of Dalmatian origin was close to the point of exhaustion and those few houses which still had any held their prices firm. It is still four months until new supplies may be expected. Until that time dealers believe there will be no improvement in the situation. Clary oil was offered at a new minimum at $13 per pound, but continued to range up to $22. There was a good deal of interest in all varieties on the part of users.

Sassafras—An increase in the low price of natural oil put the range at $1.90 to $2.30 per pound last week. Artificial oil also moved up to 53c. to 78c. per pound. While dealers were meeting the needs of consumers, the light carryover of natural oil has left stocks rather depleted. The new crop is presently being gathered and new supplies may be expected in about 30 days.

Snakeroot—With the rise in cost of replacements from newly distilled oil, last week saw a 50c. increase in the minimum offer, putting the range at $19.25 to $25 per pound. The material was in good demand and was being supplied in adequate quantities.

Sweet Birch — Some firmness was shown in this market, bringing with it increases in the quotations of Southern oil to a range of $2.05 to $3.75 per pound, while the Northern variety moved up to $4.75 to $8 a pound. Oil distilled from the new crop should be available in the near future. The rather strong market has caused some slackening of interest on the part of users, who can often substitute the more reasonable synthetic article in their products.

Thyme—As has been the state of most Spanish oils for the past few weeks, this article continued to be rather weak. Prices of both red and white NF material were steady. The former was offered at $1.65 to $2.10 per pound and the latter at $1.85 to $2.35. Buying by consumers was light.

Vetiver—A rise of 60c. per pound occurred in the price of Haitian oil putting the range at $10.60 to $14 per pound. Bourbon material continued to be seriously short at firm prices. The status of this oil, similar to that of all Bourbon oils, was expected by the trade to remain difficult for some time to come.

Ylang-ylang—While all dealers reported

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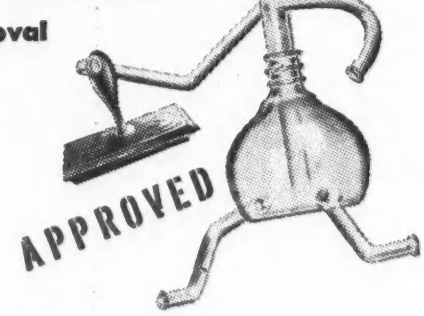

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a serious scarcity of Bourbon oil, market fluctuations caused a decline in the quotations, which last week ranged between $11 and $14 per pound. Some extra quality oil was available at $17 per pound. Offers of material from Madagascar at $9.50 to $9.75 per pound were made. As was the case of all oils from French Oceania, the state of this market was expected by observers to continue unabated for some months to come.

Aromatic Chemicals

Benzophenone—Used extensively in the production of perfumes and soaps, production last year amounted to 77,000 pounds, according to statistics of the Tariff Commission. Prices last week ranged from $1.30 to $1.60 per pound.

Benzyl Benzoate—Firm in price, this material was sold at a range of 80c. to $1 per pound. Consumption was normally active. Widely used as a fixative and solvent in the preparation of perfumes, production during 1949 totaled 308,100 pounds, according to preliminary figures compiled by the Tariff Commission.

Citral—The weakened condition of the lemongrass oil market has put this derivative in a position favorable to users, who showed active interest, as might be expected at this time of year. Prices were unchanged at $5.45 to $5.75 per pound.

Ionones — The favorable position of citral, which is the starting point in the manufacture of these materials, may be expected to keep them in good supply. Quotations for alpha last week were between $5.30 and $13.65 per pound, while beta was offered at $8.40 to $10.25 per pound, according to producer.

Musk—Production of synthetic material continued to be steady with the normal demand. Ambrette was priced at $5.40 to $5.65, ketone at $4.95 to $5.20 and xylol at $1.40 to $1.55, depending upon quantity. Natural Tonquin grains were available at $25 to $30 per ounce.

Phenylethyl Alcohol—Prices last week ranged from $1.30 to $1.80 per pound, depending upon quantity. There has been an increase in the price of phenol, but the effect has not yet been felt by this derivative. During 1949 the United States produced 526,500 pounds of this item, according to a preliminary report of the Tariff Commission.

Durrer to Europe on Two-Month Marketing Study for Givaudan

Ernest R. Durrer, executive vice-president of Givaudan-Delawanna, Inc., New York, has left for a two-month tour of the firm's European plants, laboratories and offices. He will study products of the Geneva, Switzerland, and Paris, France, laboratories to determine their value for the American market and will also explore the possibilities of further exploitation of the European market by American-developed Givaudan products.

Givaudan Canada Opens Offices

Givaudan-Delawanna, Inc., New York, announced last week that new offices of Givaudan Canada, Ltd., have been opened at 684 Church street, Toronto, under the management of A. F. Breeze. At the same time the company announced termination of its representation in Canada by Stuart Brothers, Ltd.

McK. & R. Assigns Three

McKesson & Robbins, Inc., New York, has appointed Frederick B. Hamilton assistant advertising manager, E. C. McClendon division manager of the New Orleans division, and C. R. Orchard district drug sales manager in the midwest region.

American Optical Publishes Two New Safety Pamphlets

Two pamphlets of value to handlers and manufacturers of chemicals are offered by American Optical Company, Southbridge, Mass. The first pamphlet, "Suggested Types of Eye Protection for Chemicals" contains a comparison of chemicals in relation to their severity of eye injuries and the suggested types of protection for such exposures. The second, "Eye Protection Guide for the Manufacturing Chemical Industry" lists occupations within the industry and against each the suggested type of eye protection device in relation to its specific exposure. Copies of these pamphlets may be obtained on request from the nearest AO branch office.

Antimetabolite Chemistry Called Basis for New Medical Advances

Antimetabolite chemistry has provided the basis of recent spectacular therepeutic advances, particularly in tuberculosis, according to Dr. George H. Schneller, director of pharmaceutical application, Calco Chemical Division, American Cyanamid Company, Bound Brook, N. J. Dr. Schneller spoke at the recent meeting of the National Association of Purchasing Agents in Cleveland, Ohio. He also pointed out some promising implications for the future, which have arisen from recent antimetabolite research, citing certain experimental results in the field of cancer which give promise of some generalized solution to the overall problem of that disease.

Tainter, Emma Elected Albany College of Pharmacy Trustees

Albany (N. Y.) College of Pharmacy has elected Dr. Maurice L. Tainter, vice-president of Sterling Drug, Inc., New York, and director of the Sterling-Winthrop Research Institute, Rensselaer, N. Y., and Frank Emma, former president of the New York State Pharmaceutical Association, members of the board of trustees. Dr. Tainter delivered the 1950 commencement address at the college.

London Essential Oils Importers Group Elects Naumann Chairman

Essential Oils Importers section of the London Chamber of Commerce elected L. Naumann chairman at its recent annual meeting held in that city. He succeeds T. J. McArthur, who was elected a member of the group's committee. W. A. Ennever, A. T. Wheeler and V. J. Tilley were reappointed for another term on the committee. Mr. Wheeler was also elected deputy chairman for the coming year.

Evans Assigns Konigsbacher

Evans Research & Development Corporation, New York, announces the appointment of Dr. Kurt S. Konigsbacher to its staff as a project group leader. He has, until recently, been associated with Foster D. Snell, Inc.

Trade Briefs

Warner-Hudnut Corporation, New York, has completed a new $500,000 building in Los Angeles, Calif., to house the firm's west coast personnel and operations.

Orin C. Stout, consulting engineer and chemist, has been appointed a member of the technical section of the advisory board of Research Associates, Columbus, Ohio.

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Dicapryl Phthalate

Adhesives—Plasticizer in adhesive compositions containing vinyl resins.

Ceramic — Plasticizer in compositions, containing vinyl resins, used as coatings for protecting and decorating ceramic articles.

Dental—Plasticizer in resinous compositions used in making dentures.

Electrical — Plasticizer in insulating compositions, containing vinyl resins, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer in compositions, containing vinyl resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Ink—Plasticizer in rotogravure, stamppad, and textile inks.

Leather—Plasticizer in compositions, containing vinyl resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metal-Fabricating—Plasticizer in compositions, containing vinyl resins, used as coatings for protecting and decorating metallic articles.

Miscellaneous — Plasticizer in coating compositions, containing vinyl resins, used for protecting and decorating various kinds of articles.

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes containing vinyl resins.

Paper—Plasticizer in compositions, containing vinyl resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp.

Plastics — Plasticizer in making laminated-fiber and molded articles, also plastic materials from or containing vinyl resins.

Resin—Plasticizer for vinyl resins.

Rubber — Plasticizer in compositions, containing vinyl resins, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer in compositions, containing vinyl resins, used as coatings for decorating and protecting artificial and natural stone.

Textile — Plasticizer in compositions, containing vinyl resins, used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions, containing vinyl resins, used as protective and decorative coatings on woodwork.

Dimethyl Sulphate

(*Additional uses, supplementary to those in O.P.D. for March 13, 1950, page 72.*)

Cellulose Products — Suggested as methylating agent in making methylcellulose.

Chemical — Intermediate in making vanillin.

Suggested for experimental use in making methyl derivatives of carbohydrates, methyl esters of organic acids (from their alkali metal salts), methyl starch.

Fungicide—Methylating agent in making insecticides.

Pharmaceutical—Intermediate in making antipyrin, caffeine, codeine, methylhydrazin sulphate.

Photographic—Intermediate for making metol (paramethylaminophenol), a developing agent.

Dinitrosalicylic Acid

Analysis—Reagent in glucose determination.

Pesticide—Fungicide for blue mould or downy mildew disease of tobacco.

Ethyldi-(2-chloroethoxy)silanes

Chemical—Claimed (Brit. 591771) useful as high-boiling liquids for solvent and other uses.

Starting points (Brit. 591771) in making complex silanes.

Lubricant—Claimed (Brit. 591771) useful as lubricants.

Miscellaneous—Claimed (Brit. 591771) useful as high-boiling liquids for solvent and other uses.

Paint, Varnish, and Lacquer—Claimed (Brit. 591771) useful as high-boiling liquids for solvent and other uses.

Resin—Starting points (Brit. 591771) in making resinous compositions.

Nonylphenol

Chemical—Clear, yellow, liquid organic compound, with slight phenolic odor, and reactions typical of monoalkylated phenols, offered as reactant in making synthetic detergents and surface-active agents and suggested as intermediate in making agricultural chemicals, antioxidants, corrosion inhibitors, and plasticizers.

Lubricant—Reactant in making additives for lubricant oil.

Pharmaceutical — Suggested as intermediate in making synthetic pharmaceutical chemicals.

Resin—Reactant in making oil-soluble synthetic resins.

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Protective Coatings Materials

Decreases were noted in the prices of five materials last week, while there were advances in a seven products. The decreases, however, outweighed the advances and served to bring the weekly index figure down 1.8 point to a new mark of 173.7. Lead pigments, reflecting two recent declines in the price of the metal, made up the bulk of the reductions. Leaded zinc oxides also closely followed the pigments. Copper, lead and zinc naphthenates were higher, as were casein and blanc fixe.

A number of adjustments in price were made in synthetic resins, both upward and downward, and reflected either the higher costs of production or the fact that output was up and that savings were being passed on to the customers. Natural resins were holding pretty much the same on price, although there were a few minor adjustments. Conditions had become uncertain during the week with warfare in the Far East and the trade was keeping a close eye on developments to see what effect there might be on supply and shipping conditions.

Shellac prices were unchanged but there was some uncertainty as to what might happen to market conditions in India, what with hostilities opening up in that part of the world. Domestic demand was good and supply here sufficient. Stocks on the Calcutta market were reported good with prices there showing a tendency to firm up. Domestic casein, unlike imported, held firm on price. Offerings were still being made by several European sources, although the opinion was expressed in one-quarter that goods from the continent would probably not have a great effect on the American market because American consumers still preferred the domestic material for their uses.

Market Trends

Prices Advanced

Blanc fixe, dry, by-product, $5 per ton.
pulp, $2 per ton.
Casein, imported, 1½c. per lb.
Copper, naphthenate, ½c. per lb.
Gum, rosin, New York, F, G, H, I, K, M, N, WG, 45c. per 100 lbs.
WW, X, 25c. per 100 lbs.
Savannah, E, 25c. per 100 lbs.
F, 26c. per 100 lbs.
G, 15c. per 100 lbs.
H, I, K, M, N, 34c. per 100 lbs.
WG, WW, X, up 31c. per 100 lbs.
Turpentine, New York, ¼c. per gal.
Lead naphthenate, 16%, ¼c. per lb.
24%, ½c. per lb.
37%, ½c. per lb.
Zinc naphthenate, 8%, ¼c. per lb.
10%, ½c. per lb.

Prices Reduced

Lead, blue, basic sulphate, ¾c. per lb.
red, 95%, ½c. per lb.
97%, ½c. per lb.
98%, ½c. per lb.
white, basic carbonate, ¾c. per lb.
sulphate, ¾c. per lb.
Litharge, ¾c. per lb.
Methylcellulose, standard vis. (15-1,500 cps.), c.l., 1c. per lb.
Orange, mineral, ½c. per lb.
Zinc, leaded, 35%, ¼c. per lb.
50%, ⅜c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 1, 1949
173.7	175.5	173.7	196.4	201.8

(*For Current Prices see Page 9*)

Prime Pigments

Lead Pigments—With lead metal down a full cent over a two-weeks period, reductions were also noted in the listings of the pigments. The lead oxides were down ½c. This made for the following schedule in red lead:—95%, 13¾c. in carloads and 14¾c. in less than carloads; 97%, 14c. in carloads and 15c. in less than carloads; 98%, 14¼c. in carloads and 15¼c. in less than carloads. Litharge dropped to 12¾c. in carloads and 13¾c. in less than carloads. Orange, mineral, was also down ½c. to a new listing of 17¼10.

Basic sulphate blue and white leads declined in price by ¾c., making the carload listing 12½c. and the less carload listing 13½c. Basic carbonate white lead was also down ¾c. to 14c. in carloads and 15c. in less than carloads.

Zinc Pigments—Two lowerings in price of ½c. each in lead metal during the past two weeks were reflected in the price of leaded zinc oxide during the past trading period. Both the 35c% and 50% were reduced. The 35% was down ¼c. to a new listing of 13½c. in carloads and 14½c. in less than carloads, while the 50% leaded was down ⅜c. to 13¼c. in carloads and 14¼c. in less than carloads. There were no changes reported in the other pigments. In general, the pigments were reported to be in a good demand. A few grades were reported to be tight as to supply, but otherwise the picture of availability was not bad.

Synthetic Resins

Various adjustments in price, both up and down, were made during the past week and others were under consideration. Melamine alpha cellulose-filled moulding materials were reduced 3c. a pound. Vinyl resin moulding materials were reduced 1c. to 4c. per pound, while vinyl resin extrusion materials were lower by 2c. to 5c. per pound. Polystyrene was up 4c. to 5c. per pound, while cellulose acetate was up 5c. Cellulose acetate butyrate was increased 3c. per pound. Liquid phenolic resins showed a rise of ½c. to ¾c. per pound. Phenolic moulding materials and urea moulding materials were unaffected. The price structure on alkyd resins was unaffected. Decreases in price were reported to have been brought about because of increased sales which made it possible to pass along savings to consumers. The advance in polystyrene, it was said, was necessitated by the higher cost of benzol.

Ethylcellulose—The price structure was reported unchanged last week and there were no indications that there were any revisions in the offing. In fiber drums, 5,000 pound lots were being offered at 52c. and the price of smaller lots ranged from 54c. to 62c.

Methylcellulose—Adjustments on price of this material were announced during the past week, with two of them affecting the high side of the range and only one the low side. They were not blanket changes but rather a revision of schedule. The special viscosity (4,000 cps.) in carloads was still being offered at 68c. In orders of 2,000 pounds or more it was being offered still at 70c. In smaller lots the price on the low side of the range was unchanged at 75c. but the high side of the range advanced from 80c. to 87c. The standard viscosity (15-1,500 cps.) was decreased in carload amounts from 62c. to 61c. In lots of 2,000 pounds and more the figure was unchanged at 63c. The smaller lots price remained unchanged at 68c. on the low side of the range but on the high side it was decreased from 73c. to 70c. Demand was reported to be very good at this time and the supply was also said to be in good shape.

Natural Resins

Recent political developments in the Far East had no immediate effect on the market for gums but with conditions very uncertain the trade was watching the picture closely to determine what might happen to its supply. Shipping conditions, long a difficult problem, had pretty well cleared up but just what the future would be in that field was hard to say. Production was not up to any great heights and the trade in this country placed the blame on the indifference of the people at the source. Supplies here, however, were sufficiently strong to satisfy the normal demands of the market. There were no radical changes in the price listings, but because of the various conditions affecting the trade it was difficult for even the sellers to place listings on some of the types.

Following are the latest revised prices:—Copal, Congo, No. 3, 17c. to 18c.; Manila, loba, CBB, 23c. to 24c.; Manila, soft, MA, 15c. to 16c.; Philippine, pale, chips, 21c. to 22c.; nubs, 24c. to 25c.; seeds, 15c. to 16c.; sorts, 17c. to 18c.; Dammar Batavia, A/E, 23c. to 24c.; E, 12c. to 13c.; Elemi, 22c. to 23c.

Shellac — Warfare in Korea was reported to have caused a considerable scare throughout the Far East, with the result that there was a noticeable firming up in prices on the Calcutta market, but it still did not reflect on the price listings in New York. All grades last week were holding to their previously established levels, although with conditions uncertain at the source it was difficult to say how long the price structure would hold at these levels. Demand was holding up at fairly good levels, and was being given the normal boost expected at this time of year when the entire protective coatings industry is in its heavy season. Supplies were sufficient here to fill the normal needs of the market and the reports were that there was a good supply on the market in Calcutta.

Naval Stores

Pine Gum—Prices received for crude pine gum delivered to processing plants during the week ended June 24 averaged

For Late Market Developments, See Page 4

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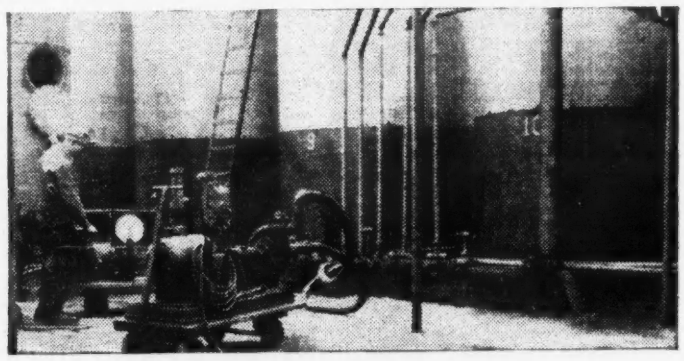

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$16.82 per standard barrel of 435 pounds according to the Department of Agriculture. This compares with $16.66 for the previous week and marked the end of twelve weeks of steady decline since the week ended March 25 when prices averaged $21.15 per barrel.

The twenty-three reporting plants received 33,830 barrels of gum, or an average of 1,471 barrels per plant, compared with 1,410 barrels a week earlier. The average contents per barrel were 11.55 gallons of turpentine and 299.2 pounds of rosin. The gum was graded 55 percent WW, 16 percent WG, 12 percent N, 10 percent M, and 9 percent K and below.

The record of the gum naval stores markets during the week ended June 30 was as follows:—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					New York c.l., f.o.b. N. Y.	l.c.l., ex whse.
	Mon.	Tues.	Wed.	Thurs.	Fri.		Friday
B	$4.10	$4.10	$4.10	$4.10	$4.10	$5.90	$6.65
D	4.25	4.25	4.25	4.25	4.25	5.90	6.65
E	4.50	4.50	4.50	4.50	4.75	5.90	6.65
F	5.07	5.07	5.07	5.07	5.07	6.35	7.10
G	5.07	5.07	5.07	5.07	5.07	6.35	7.10
H	5.07	5.07	5.07	5.07	5.26	6.35	7.10
I	5.07	5.07	5.07	5.07	5.26	6.35	7.10
K	5.07	5.08	5.08	5.08	5.26	6.35	7.10
M	5.07	5.08	5.08	5.08	5.26	6.35	7.10
N	5.07	5.08	5.08	5.08	5.26	6.35	7.10
WG	5.07	5.08	5.08	5.08	5.26	6.35	7.10
WW	5.11	5.11	5.11	5.11	5.26	6.50	7.25
X	5.11	5.11	5.11	5.11	5.26	6.50	7.25
	Drums						
Sales	433	200	...	...	362		
Receipts	136	470	177	295	585		
Shipments	...	...	4,149	...	4		
Stocks	36,542	36,812	32,840	33,275	33,856		

Gum Turpentine

	Savannah Exchange Bulk					New York (ret. dms.) tanks f.o.b. N.Y. (7 lbs.)	l.c.l. ex whse.
	Mon.	Tues.	Wed.	Thurs.	Fri.		Friday
Per gal.	.40	.40	.40	.40	.40¼	.49	.57
Sales, bbls.	320	...	...	...	320		
Receipts, bbls.	1,209	71	1,750	872	803		
Shipments, bbls.	380	45	1,650	152	99		
Stocks, bbls.	11,265	11,291	11,391	12,111	12,835		

Fillers and Extenders

Blanc Fixe—Advances in price were announced last week for both the dry, by-product, and the pulp, 66⅔%. The former advanced $5 a ton, making the carload price $85 and the less than carload figure $90. The pulp advanced $2 per ton. The carload price became $69 and the less than carload price $75.

Pyrophyllite—There were no changes reported in any of the grades during the past week. Supply was in pretty good shape but the demand was running very high. One producer said it was receiving too many orders and could get the material out fast enough. It was contemplating replacing one of its small mills with a larger one sometime in September in an effort to keep up with the demand.

Miscellaneous

Asbestos—The price structure was without change during the past week and there were no indications that there would be any revisions in the immediate future. Demand was at levels high enough to satisfy the trades. The supply position of

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POLYCEL's two big uses are as a filter aid and a filler-reinforcer in plastics. In filtration, it is being used advantageously in filtering molasses, sugar solutions, titanium, electroplating solutions, antibiotics, waxes, hydrogenated oils, catalyst filtration, essential oils, scrap candies, etc. Also, remember POLYCEL the next time you need a high strength filler for your molding compounds . . . it imparts maximum strength at low cost. POLYCEL is produced in bleached and unbleached form in five grades varying in fiber length: Fluff, 20, 40, 80 and 100 mesh.
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Leader Bldg. 526 Superior Ave., N.W. Cleveland 14, Ohio

the long fiber was not particularly comfortable. There was still not enough of it available to satisfy producers. The supply of the shorter fiber was at normal levels and was not causing any pinches in accommodating the needs of the market.

Asphaltum — Pricewise, this item was without change during the period under review. Demand was being noted at steady levels and the supply was sufficient to accommodate the needs of the market.

Casein — Imported material from Argentina advanced in price 1½c. last week, making the new figure on the low of the range 21¼c. The high side advanced a similar amount to become 21½c. The Argentine market was reported to be very strong and it was said that several shippers there would not submit figures because the available stocks are smaller than had been expected. This is, of course, the off season for the Argentine industry. It is Winter in that country and the production naturally has fallen off. Besides, there was not a great deal of stock carried over because the severe drought and the widespread dairy strike of several months back had a considerable effect on the output.

Supply in Europe is reported to be strong. France is offering material for late July and early August shipment for 21½c. per pound. This is about the same price as Dutch casein for August shipment. A great deal of the product is said to be available in Germany at 20½c. for July, August and September shipment. It was said that supply in Canada is small and no offers can be made.

Domestic casein was holding firm on price during the past week. The standard was still being quoted at 22c. to 23c. while the premium was holding at 24c. to 25½c. Demand was reported to be holding up at pretty fair levels, while the supply was said to be ample to accommodate the normal needs of consumers. There was no surplus reported but it was said that there were sufficient supplies for the market's needs. It was said by one producer during the week that the large amounts of material being offered by European countries would not have any great effect on the American market. This source said that supplies, particularly from Denmark and France, lacked uniformity and therefore American consumers preferred to use the domestic material.

Naphthenates — Copper and zinc naphthenates advanced ½c. per pound last week and so did the 24% and 37% lead naphthenates. The 16% was up ¼c. These prices were upped because the basic metals were higher now than when the listings were established.

Virginia Paint Law Enforcement Delayed

Virginia authorities have agreed to withhold enforcement of the state's new paint labeling law for a period of six months to give paint manufacturers time to relabel their products in accordance with the law. The law was to become effective July 1.

Under it, manufacturers and dealers are required to show an ingredient statement on interior paints offered for sale in Virginia. Announcing a six-months' period of grace before enforcement, the Virginia Department of Agriculture and Immigration in a letter to the National Paint, Varnish and Lacquer Association stated that all products covered by the law, shipped to dealers and distributors and placed on sale in Virginia after January 1, 1951, must comply with all provisions of the law.

"The Virginia Paint Law 1950 requires an ingredient statement on the labels of all paints covered by this law, regardless of size, but we realized that there is not enough space on the labels of containers less than one pint size to show the manufacturers name, net contents, trademark, directions for use, purpose for which the paint is intended and ingredient statement. In lieu of showing an ingredient statement on containers less than one pint size, a label and statement showing this name and percent by weight of each ingredient, which will be contained in the paint when it is offered for sale or sold in Virginia, may be filed with this office. This applies to both interior and exterior paints."

Trade Briefs

National Can Corporation, New York, has appointed R. E. Tanner manager of sales in the midwestern territory.

Frank Tracey has been appointed representative for the Central Paint & Varnish Works, Brooklyn, N. Y., in the Wilkes-Barre, Pa., area.

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For architectural enamels with extraordinary high gloss and fast-drying, non-yellowing properties in air-dry enamels. A clear, bright, pale viscous pure oil modified alkyd, free of skinning, livering, and bodying action. Dries dust-free in 45 minutes — dry in four hours. May be stored over long periods without deterioration.

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Pounds per gallon at 77° F	7.55 - 7.65
Specific gravity at 77° F	0.91 - 0.92
Viscosity, Gardner-Holdt Scale, at 77° F	Q - R
Color, Gardner Scale, 1933	5 maximum
Acid value on solids	8 maximum
Tolerance for mineral spirits	Over 100%
Tolerance for linseed oil	Over 100%
Pigment compatibility	All Pigments
Type of resin	Glycerol Phthalate, oil modified
Type of oil	Drying oil
Phthalic anhydride content	Medium Long

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Dunn Develops Adhesive For Vinyl Formulations

Thomas W. Dunn Company, New York, has developed an adhesive to glue vinyl sheetings to porous surfaces. Called "Vinyl-Hesive," it is a water thinnable emulsion type system that can be applied with conventional equipment or by brushing.

The company states it will bond all flexible formulations of vinyls to paper, pressboard, cardboard, masonites, felt and other porous surfaces. It is also said to be resistant to aliphatic hydrocarbons, oils, greases, water and deterioration by bacteria and fungi.

Monsanto Promotes Watt

James H. Watt has been appointed assistant branch manager of plastics sales in Monsanto Chemical Company's Los Angeles office. Mr. Watt, who was formerly a senior salesman in the Los Angeles office, joined Monsanto's plastics division there in 1932.

MCA and PMMA Incorporated

The organization formed by merger of the Manufacturing Chemists Association and Plastic Materials Manufacturers Association has been incorporated under the laws of the State of New York, all members of the former associations becoming members of the new corporation, under the name Manufacturing Chemists' Association, Inc.

The Washington offices of the two associations will be merged in the near future and will be headed by M. F. Crass, jr. F. H. Carman, former PMMA manager, will continue to direct the plastics program.

Acheson Colloids Issues Data

Acheson Colloids Corporation has published a compact summary of technical data and operating suggestions covering "dag" concentrated carbon black dispersions. A brief explanation of the advantages of predispersed carbon black dispersions is supplemented by particular descriptions of application, characteristics, composition and handling of seven standard "dag" carbon black dispersions. Copies of the new brochure may be obtained upon request to the company's dispersed pigments division, 420 Lexington avenue, New York 17.

Dow Chemical Marketing New Latex for Coatings

Plastic sales division of the Dow Chemical Company, Midland, Mich., has added a new low-cost product to its line of latices. Called "Dow Latex 744," a copolymer of vinyl chloride and vinylidene chloride, the material is said to have application in paper coatings, textile coatings, unwoven fabric bonding and industrial paints. Among its characteristics are said to be excellent heat and light stability, wide compatibility with modifying materials and good stability to shipment, storage and processing. A technical data bulletin may be had upon request either to the company's plastic sales division at Midland or to any of Dow's sales offices.

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(synthetic)

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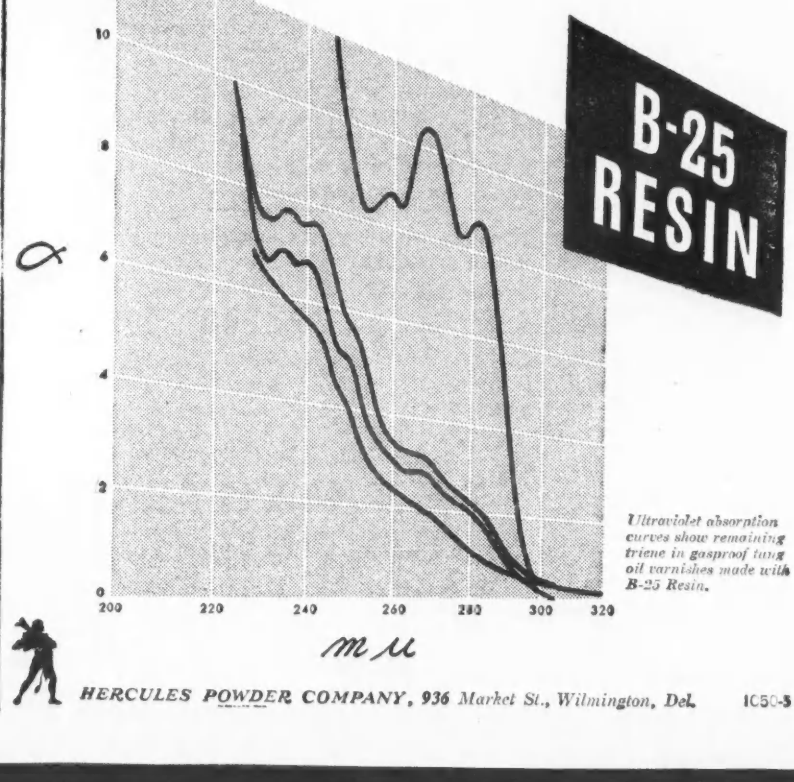

Ultraviolet absorption curves show remaining triene in gasproof tung oil varnishes made with B-25 Resin.

HERCULES POWDER COMPANY, 936 Market St., Wilmington, Del. 1C50-5

Oils, Fats and Waxes

Trading in oils and fats was dull and featureless last week. Edible oils were unsettled early but rallied with higher soybeans. Coconut and tung oils were strengthened by the Korean situation. Price index advanced 0.4 point.

There was little doing in crude cottonseed oil and the market was unchanged and steady. Soybean oil was unsettled and lower, but rallied with the advance in beans late in the period. Corn and beans late in th period. Corn oil remained steady, while peanut was stronger. Coconut oil firmer and advanced slightly with the stronger tone in copra due to political disturbances in the Far East.

Lard was lifted fractionally due to the stronger hog market which reached the highest price since last September.

Tung oil scored further price gains under improved consuming demand and the difficulty of getting offers for shipment from China. Linseed oil continued inactive and there was more inclination to shade prices for tankcar business in some directions.

Active export demand for tallow and grease stiffened this market. Exporters raised bids fractionally without interesting sellers. Producers were sold up and offerings were scarce and held at higher prices.

Consumers of carnauba wax entered the market to replenish inventories resulting in higher prices for shipment from Brazil. Trading was reported active at the advance. This was reflected locally and stocks on the spot were raised 1 cent per pound.

Cottonseed Oil

Volume of sales in bleachable cottonseed oil futures continued active last week. Market was a mixed affair with price fluctuations narrow. Trading was chiefly speculative, with the trade switching July to September. Tenders on July oil were light totaling 19 contracts. Prices were slightly higher and reflected the firmness in lard and soybeans. Cotton-oil disappearance for May was up to expectations, totaling 1,994 tankcars, compared with 1,873 in April and 2,067 in May, 1949. Total disappearance for the ten months ended May amounted to 22,174 tankcars, against 20,613 for the same period last year. Visible oil supply at the end of May was estimated at 7,596 tankcars against 9,081 for the same time last year.

Crude cottonseed oil was quiet, but steady. Tankcars were unchanged at 13 1/2c. per pound, f.o.b. mills, Southeast. Sales took place at 13 1/4c. Texas. New crop Texas oil was reported sold at the same price for July.

Some 300 tons of crude cottonseed oil was received at Philadelphia from Brazil last week.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended June 30 follow:—

	Sales	Cents per pound—High	Low	Close
July	335	15.90	15.20	15.77@15.85
September	812	15.70	15.29	15.56—15.54S
October	158	15.11	14.30	14.97—14.99S
December	434	14.90	14.15	14.74S
March	61	14.85	14.15	14.72@14.76
May	9	14.88	14.22	14.72@14.80

Total sales, 1,809 tankcars, including switches.

Memphis.—Crude cottonseed oil quoted at 13 1/2c. per pound, tankcars, f.o.b. mills. Crude soybean oil nominal at 12c., same basis. Trading light. Cottonseed meal, 41 percent sacked, $68 per ton, Memphis and slab cake, $63 per ton, bulk, Valley. Cottonseed hulls supply about exhausted and quoted at $16 per ton, sacked, Memphis.

Linseed Oil

Activity was restricted to active demand for oil against current contracts. New business continued slow and confined to fill-in requirements. Prices for raw oil ranged from 17.70c. to 17.90c. per pound, tankcars, Zone 3, July-September delivery, with intimations that firm bids could shade this level.

Minneapolis.—The serious situation in the Far East last week caused some consumers with low stocks to book linseed oil well into September and October, local crushers reported. New crop-oil was quoted at 13.9c. per pound, raw basis, in tankcars, Zone 1. Old-crop oil for spot shipment was quoted at 17.1c. per pound, in tankcars. The warehouse price held steady at 17.3c. a pound. A railway switchmen's strike on five railroads, three of which affected the Upper Midwest area, curtailed shipments of oil to some extent during the week.

Market Trends

Prices Advanced

Carnauba wax, 1c. per lb.
Coconut oil, 3/4c. per lb.
Lard, 1c. per lb.
Peanut oil, 1/4c. per lb.
Tung oil, 3/4c. per lb.

Prices Reduced

Soybean oil, 1/4c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	July 1, 1949
117.3	116.9	122.7	111.3	114.5

(*For Current Prices see Page 9*)

Shipments of linseed oil from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	6,020,000	6,660,000
Since Sept. 1	358,160,000	311,738,000

Flaxseed—Seed receipts were heavy mainly for CCC account. Crushers also absorbed good sized quantities.

Minneapolis.—About 500 cars of flaxseed arrived in the Minneapolis market last week. Of this amount, over two-thirds went on CCC account in local terminals. Crushers purchased the balance of the receipts in a price range of $3.90 to $4 per bushel. About 30 cars of new-crop flaxseed were sold at $3.25 per bushel, to arrive by September 15. In the futures market, there were a few trades in October flaxseed. War-like news pushed the contract up to $3.30, but later it declined back to $3.25 per bushel. New-crop flaxseed in the Upper Midwest made good progress, although there were cries for rain in southeastern North Dakota and northeastern South Dakota. A good heavy rainfall would prove helpful to seed in all local areas.

Receipts and shipments of flaxseed in Minneapolis last week, in bushels, were as follows:—

Bushels—	Receipts 1949-50	Receipts 1948-49	Shipments 1949-50	Shipments 1948-49
This week	829,000	93,500	311,100	39,100
Since Sept. 1	20,435,200	32,431,000	4,235,500	8,272,100

Other Vegetable Oils

Castor Dehydrated—Market remained steady and unchanged. Trading was fairly active for immediate needs.

Coconut—The Korean war situation has stiffened this market. Offerings for shipment were scarcer. Crude oil was sold at 13 3/4c. per pound, tankcars, f.o.b. Pacific coast July shipment and later all positions were quoted nominally at 13 3/4c., same basis.

Copra—This market was also strengthened by the Korean war. Offers for shipment were firm at $180 per short ton, c.i.f. Pacific coast. Trading was inactive, with offers for shipment scanty.

Corn—Trading was light and spotty. Crude oil was sold at 13 3/4c. per pound, tankcars, f.o.b. mills, and later rallied to 14c. Refined oil was firm at 17c. per pound, tankcars, New York delivery.

Olive—Improved inquiry and trading created a firmer tone, and there was less disposition on the part of sellers to shade prices. Edible oil was well held at $1.90 to $2 per gallon, drums, duty paid, as to quantity. Sales took place at this level. Olive foots were sold at 12c. per pound, drums, New York for prompt shipment. Stocks were light and in quiet demand.

Peanut—Crude oil for prompt shipment was firmer and quoted at 14c. to 14 1/4c. per pound. Refined oil was quoted at 17c. per pound, tankcars, New York delivery.

Production and Marketing Administration of the Department of Agriculture announced June 27 a price support program for 1950 crop peanuts which provides for (1) price support at 90 percent of parity as of August 1, 1950, for farmers' stock peanuts produced on allotted acres in 1950, and (2) the method of handling peanuts produced on excess acreage, in accordance with recent legislation. The price to be paid farmers for oil peanuts delivered to designated agencies will be announced periodically during the marketing season. If there is an edible demand for oil peanuts of any type of the 1950 crop, the Secretary of Agriculture is authorized to declare such types in short supply and to sell such peanuts at 105 percent of the support price for edible peanuts, plus reasonable carrying charges. If such sales are made, the profits realized by CCC will be prorated among the producers delivering the peanuts to designated agencies. On the basis of acreages allotted for 1950, it does not now appear that these provisions will be applicable to Spanish and Runner type peanuts.

Announcement was made last week by Ralph S. Trigg, administrator of the Production and Marketing Administration of the proposed issuance of regulations establishing marketing quotas for the 1950 crop of peanuts. Interested persons were

For Late Market Developments, See Page 4

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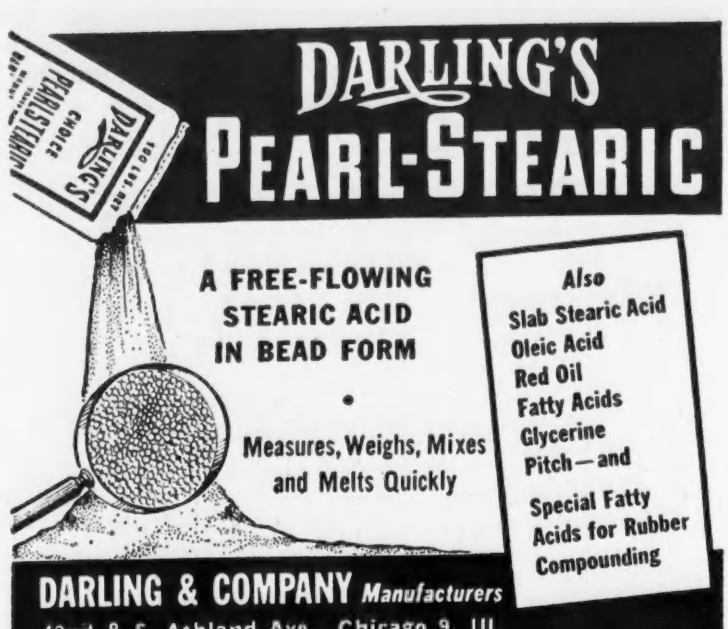

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All regular grades, single-double-and-triple-pressed types including special Lily grade with Iodine Value less than 1.0; Emersol 140 Palmitic and Emersol 150 Stearic are special high Palmitic and Stearic content fatty acids. Exceptional stability of color and odor assures higher quality in your finished products. Aluminum tank cars available for bulk shipment.

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Superior liquid fatty acids in all grades including Emersol 233 LL Elaine, the purest commercial oleic acid. Lightest colors, lowest content unsaponifiable coupled with higher degree of stability than found in ordinary red oils is assured because of exclusive Emery processing. Drums, tank cars—to preserve quality in transit, aluminum cars available.

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The complete range of fatty acids includes regular animal fatty acids both distilled and hydrogenated . . . also hydrogenated fish oil fatty acids. Drums, tank cars. Write for complete data.

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invited to submit their views and comments within fifteen days to the director of the Fats and Oils Branch of the PMA. Mr. Trigg stated that the proposed regulations will be substantially the same as the 1949 crop regulations, except that in accordance with legislation passed late last session by congress, provision will be included which will permit a producer to market, without payment of penalty, peanuts produced on acreage in excess of the farm acreage allotment, provided the 1950 picked and threshed acreage on the farm does not exceed the 1947 picked and threshed acreage, by delivering such excess peanuts to an agency designated by the Secretary of Agriculture.

Soybean—Market irregular, but rallied with beans and the decline was reduced to ¼c. Crude oil sales took place at 12c. per pound, tankcars, f.o.b. mills, June-August delivery, and later was advanced to 12¼c. October-December was sold at 10¼c., same basis. Refined edible oil was easier and quoted at 15c. per pound, tankcars, New York delivery. Refined alkali and clarified oils also were lower at 15.15c. and 14¼c. per pound, tankcars, New York, respectively. Crude soybean oil disappearance in May totaled 2,982 tankcars, against 2,601 in April and 2,849 during May, 1949. Disappearance for the eight months ending May amounted to 21,741 tankcars, compared with 20,101 for the same period last year.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended June 30 follows:—

	Sales	Cents per pound High	Low	Close
July	55	12.30	11.90	12.35@12.37
August	1	12.23	12.23	12.30@12.56
September	48	12.30	11.75	12.30S
October	29	10.69	10.25	10.65@10.69
November	14	10.25	9.94	10.45@10.56
December	30	10.15	9.90	10.15@10.35
January	1	10.20	10.20	10.25@10.34
February	..	....	....	10.25N
March	1	9.85	9.85	10.20@10.50
April	..	....	....	10.25N
May	..	....	....	10.25N
June	..	....	....	10.25N

Total sales, 179 tankcars and switches.

Tung—This market was sharply higher as a result of Korean situation, which brought out active demand from consumers. A good volume of business took place from 23c. to 23¾c. per pound, tankcars, prompt delivery, New York, an advance of ¾c. last week. Offers for spot delivery were scarce and held at 24c. Futures also were stronger and lifted to 23½c. to 23¾c., tankcars, New York, August-September delivery. Drums ranged from 24¾c. to 25¼c. per pound, depending upon quantity. Imports at New York totaled 714 tons from China and 160 drums from the Argentine last week.

Fats and Greases

Greases—Market was stronger and with offerings scarce, the trend of prices was upwards. Inquiry was active for domestic and export delivery. Domestic buyers bids of 4¼c. per pound, loose delivered were turned down. Export demand was active, but scarcity of offerings continued to restrict business.

Lard—This market was firmer and fractionally higher last week. Trading for domestic and export was reported quiet. Refined lard was advanced to 12½c. to 12¾c. per pound, containers, f.a.s. Cash lard was higher at 11.95c. per pound, tierces, Chicago.

Tallow—Active export demand and scarcity of offerings strengthened this market. Light trading took place at unchanged prices for domestic delivery early in the week, but sellers advanced quotations materially both for domestic and export. Inquiry for export was keen, with makers quoting fancy at 7¼c. per pound, drums, f.a.s. against recent sales at 6½c.

Animal Oils

Degras—Conditions in this market remained steady. Demand for crude was active. Neutral grades were in fair request and supplies were adequate to cover requirements. Prices were well held.

Grease Oils—Improved inquiry was reported for prompt delivery. Quotations were unchanged and steady.

Oleo Oil—Market was firm. Trading was fair. Extra was held at 13c. per pound, drums, New York basis.

Oleo Stearine—Offerings were more liberal and with demand slow, the market was unsettled. Prices were reduced to 8¾c. per pound, barrels, New York.

Fish Oils

Cod—Offers for shipment from Newfoundland were light as production is between seasons. Demand was inactive. Prices were unchanged, ranging from 8c. to 9c. per pound, drums, as to quantity and quality.

Fish—The catch of menhaden was reported good in North Atlantic and poor in the South. Crude oil was offered at 6c. per pound, loose, f.o.b. Baltimore, forward delivery, with buying interest inactive. New crop sardine oil was quoted at 6½c. per pound, loose, f.o.b. Pacific coast.

Los Angeles.—No trading was reported again last week for new crop sardine oil and only a nominal market exists with quotations at 6.5c. per pound, f.o.b. San Pedro, and 7c. per pound, f.o.b. Monterey. One carload of tuna oil was moved at 4.75c. per pound, f.o.b. Los Angeles, the only oil apparently available here in the last two or three weeks.

Fatty Acids

Consuming inquiry for vegetable fatty acids continued spotty, chiefly for actual requirements. Red oil and stearic acid were in good request for prompt delivery. Prices were unchanged and steady.

Cake and Meal

Cottonseed Cake and Meal—Forty-one percent loose slab cake was offered at $51.50 per ton f.o.b. Texas, July-August shipment. Forty-one percent sacked meal held steady to slightly stronger at $65.50 to $66 per ton Memphis, July-August shipment. Offerings of meal in the Southeast continued limited. Prices were steady at $70 to $71 per ton f.o.b. Georgia and South Carolina mills, June-July shipment.

Linseed Meal—Demand for prompt delivery more active. Prices still unsettled.

Minneapolis.—Demand for linseed meal continued light until war-like news began to pour out from Korea last week. Buying for the most part was for nearby delivery early in the week. Later, feed manufacturers and dealers came into the market for substantial amounts of meal. Some new-crop September-December linseed meal was sold at $57 per ton, bulk, in carlots, f.o.b., Minneapolis. Extracted linseed meal was quoted steady to 50c. per ton better than a week ago at $59 per ton, bulk. Expeller linseed meal was quoted $1.50 to $2.50 per ton lower at $61.50 to $62.50 per ton, bulk.

Shipments of linseed meal from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
This week	10,060,500	15,720,000
Since Sept. 1	678,410,500	551,220,000

Peanut Meal—Forty-five percent new process meal was quoted at $75 per ton f.o.b. Alabama mills, July-August shipment. The supply of old process peanut meal is very scarce with a few trades reported at $76 to $77 per ton f.o.b., Georgia and Alabama mills, July-August. A resolution was passed at the Southeastern Peanut Association Meeting, June 19th and 20th, to revise guaranteed analysis on peanut meal to read 48 percent protein, 4.5 percent fat, and 11 percent fibre. Any peanut product testing less than this analysis will be classified as peanut feed meal. Heretofore, 45 percent protein was the minimum analysis for peanut meal in most states. This change was brought about due to trouble in keeping within the guaranteed fibre standards.

Soybean Meal—Forty-four percent bulk meal was quoted at $75.50 to $76.50 Decatur basis, July shipment. Forty-five percent old process was offered in limited quantities at $82 f.o.b., southeastern mills. Demand is somewhat better with stronger markets.

Waxes

Beeswax—While trading was limited to actual needs the market remained steady with the firmness at primary centers. Crude and refined grades were maintained at former levels.

Carnauba—The Korean war situation brought out increased buying interest and a good volume of business was reported for prompt shipment. Brazilian shippers reduced offers and advanced prices up to 2c. per pound. This was reflected in the spot market and quotations were lifted about 1c. per pound. No. 3 crude was quoted 75c. to 77c. per pound, and refined, 78c. to 80c. on spot, as to quantity; yellow, No. 1 96c. to 98c. and No. 2, 94c. to 96c., same basis.

Montan—Consuming inquiry improved and the market was steadier. Prices were unchanged, but more closely maintained.

Ouricury—Offers for shipment from Brazil continued scarce. Light stocks of refined on spot were well held at 75c. to 77c. per pound, as to quantity.

Owens Brush Advances MacMillan

Duncan MacMillan, former merchandising manager for Owens Brush Company, Toledo, Ohio, has been promoted to new eastern territorial sales responsibilities with headquarters in New York City. Mr. MacMillan joined Owens Brush, a subsidiary of Owens-Illinois Glass Company, in December, 1946, at which time he was placed in charge of the firm's advertising, point-of-purchase merchandising and other retail promotion activities. Prior to joining Owens Brush Company he was associated with Weco Products Company for eighteen years, serving in various merchandising and sales capacities.

·att & Lambert Western ,vision Promotions to 3

Pratt & Lambert, Inc., Buffalo, N. Y., s appointed W. W. Schroeder resident nager of the company's western division Chicago, Ill. At the same time, J. G. llagher and R. J. Sullivan were named istant resident manager and manager the credit division of the western divi-n, respectively.

Mr. Schroeder joined Pratt & Lambert 1935, serving as a salesman until 1947. that year he was made Chicago city es manager, and the following year be-ne sales manager of the western divi-n. Mr. Gallagher joined the company 1920, and was made head of the trade es department in 1947. Mr. Sullivan ne to the company in 1929, and has ved variously in the order and sales partments and has assisted in handling edits and collections.

ovett Retires; Devoe ffects Staff Shifts

John H. Lovett, former general man-r of the art department of Devoe & ynolds Company, New York, has re-d after forty-eight years of service h the company. He has been succeed-by Ernst Klinger, previously super-endent of plants for the trade sales di-ion, who heads a new art division with adquarters in Louisville, Ky. Basil well, who was general superintendent the firm's automotive plan and Trus-n plant in Detroit, Mich., has taken over assistant production manager at Louis-le, replacing Mr. Klinger. Ed Ganoe, rmer plant superintendent of the Trus-n division, at the same time, has been pointed to Mr. Howell's former post.

ow Shifts 2 Salesmen

D. W. McCuaig has been named plastic lding powders salesman for the Cleve-d territory, according to Donald L. bb, manager of the plastic sales divi-n, Dow Chemical Company, Midland, ch. A. A. Butterworth, formerly with Cleveland office, has been transferred Philadelphia. Mr. McCuaig was affili-d with Consumers Power Company be-e joining Dow in 1942. He has been office manager of the company's plastic technical service for the past three years. Mr. Butterworth joined the company in 1946 and has been a plastic molding powders salesman in Cleveland for three years.

St. Louis Paint Club Installs New Officers

St. Louis Paint, Varnish & Lacquer Association has installed a new slate of officers for the 1950-51 term. The new president is S. R. Casey, Mound City Paint & Color Company. Named with Mr. Casey are Harry A. Baumstark, of Harry A. Baumstar! & Co., vice-president; A. F. Voss, jr., *American Paint Journal*, secretary, and Robert B. Dunford, of Inter-Coastal Paint Corporation, treasurer.

In addition to the officers already named, following is the makeup of the executive committee:—W. J. Berkeley, Vane Calvert Paint Company; A. H. Judd, National Lead Company; Fred W. Knoke, American Zinc Sales Company; Dave H. Moran, Reardon Company, and Fred C. Weber, Phelan Faust Paint Company.

Committee chairmen are:—Trade sales, A. E. Neidt, Steelcote Manufacturing Company; membership and reception, D. J. Etzkorn, Phil A. Sullivan Sales Company; clean up and paint up, Ray Ferree, National Lead Company; entertainment and program, N. L. Nagel, *American Paint Journal*; auditing, James P. Haddock, Vane Calvert Paint Company; labor relations, G. E. Neidt, Steelcote Manufacturing Company; sales, educational and publicity, Harry Davis, Reardon Company; legislative, James A. Reardon, Reardon Company, and industrial sales, Walter Wurdack, Walter Wurdack Company.

Austrian Benzylcellulose Plant Up

Benzyl-Zellulose-Chemie G.m.b.H., an auxiliary of Austrian Mountanindustrie Gesellschaft, has built a plant in Hallein for the production of benzylcellulose. The unit already has gotten operations partially underway. Solvay A. G. and Austrian Gruensigelwerke G.m.b.H. are also planning to take up the manufacture of plastics, according to reports in the German technical press.

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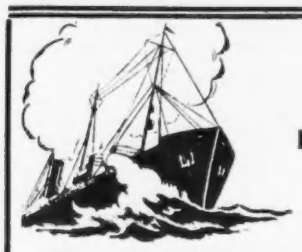
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TRIPLE PRESSED STEARIC ACID	Ester manufacturing, Emulsifying agent for Greases, Rubber, Paints, Pharmaceuticals, etc.	Saponified; in spray or slab form. Low iodine value.
METALLIC STEARATES	Petroleum Greases, Inks, Paints, Varnish, Lacquers, Rubber, Plastics, etc.	Aluminum, Zinc, Calcium, Magnesium and Barium.
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1—30" x 30" ALUMINUM PLATE AND FRAME FILTER PRESS, Sperry—43 chambers, side feed, open delivery, used on pectin. In excellent condition and for immediate shipment.
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9—DOUBLE DRUM ATMOSPHERIC DRYERS: 28 x 60", 36 x 81" Black & Clawson; 32 x 72", 32 x 90", 32 x 100", 42 x 90", 42 x 100" Buffalo.
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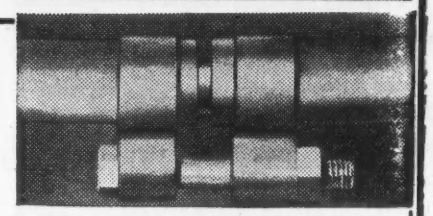

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Upjohn-Penick Expedition

—Continued from page 7

Penick jointly decided to send an expedition to Africa, staffed by botanical experts.

Cuttings, roots, stems or seed samples of twenty species of *Strophanthus* were obtained by the expedition, including one species which may not have been previously described.

Cuttings of the plants obtained on the expedition have been sent to the New York Botanical Garden for propagation and study of the growth habits of the plants under controlled conditions. Herbarium specimens for classification will be given to the New York Botanical Garden and the Royal Botanic Gardens at Kew, Surrey, England, where they will be available for study by qualified botanists.

It is estimated by Dr W. G. Bywater, director of the expedition and director of research of S. B. Penick, that the chemical work necessary to study completely the glycoside content of the plant materials collected would require intensive application by chemists for a period of eighteen months to three years.

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ECA Publishes Booklet For Small Export Firms

The office of small business of the Economic Cooperation Administration has released a new booklet, "Six Steps in Successful Exporting Under ECA Financing," designed to assist small companies engaged in, or seeking, export trade. Copies of the booklet are available from the office of information, ECA, 8000 800 Connecticut avenue, N. W., Washington, D. C.

Young Joins Pennsalt

Alfred N. Young has been named sales-service representative of Pennsylvania Salt Manufacturing's special chemicals department in the St. Louis area. He succeeds Charles R. Sorber, jr., who was recently transferred to the Cincinnati territory.

Trade Briefs

George J. Madge, assistant controller of American Can Company, New York, has been elected controller of the concern.

Roy W. Weldon, assistant manager of the spruce wood department of the Great Northern Paper Company, has been elected a vice-president of the concern.

Arma Corporation has issued a new booklet entitled "Army Induction Motors and Generators," which is available upon request to the company at 254 36th street, Brooklyn 32, N. Y.

National Safety Council, Chicago, Ill., has released a new training film entitled "Freight Handling Safety," which outlines safe methods for handling and unloading freight.

Amer. Cyanamid Lists Use Of 'Alwax' in Paper Making

The paper chemicals department of the industrial chemicals division of American Cyanamid Company, New York, has published a booklet entitled "Quality Advantages Gained with Alwax and Waxine Sizes." Copies are available upon request to the div at 30 Rockefeller Plaza, New York

Oxy-Acetylene Movie Ready

"The Oxy-Acetylene Flame—Master of Metals" is the title of a new twenty-minute picture on oxy-acetylene welding and cutting produced as a joint project by the International Acetylene Association and the Bureau of Mines. Request to borrow prints of the film should be addressed to the supervising engineer, graphic service section, Bureau of Mines experiment station, 4800 Forbes street, Pittsburgh 13, Pa. Request for information on how to purchase prints of the film should be directed to the association, 30 East 42d street, New York 17.

Plant Food Council Told

—Continued from page 4

tilizers at reasonable prices and in practically unlimited quantities. No country has ever had a fertilizer industry comparable to it."

Fertilizer Needs of Farmers

W. R. Thompson, associate leader, extension agronomy, Mississippi State College Extension Service at State College, told the convention that United States farmers need a "minimum of 108,500,000 tons of mixed fertilizer on just pastures," emphasizing that plant food properly used on pastures will return farmers "$5 to $9 profit for every $1 invested." The southern agronomist said that plant food properly balanced is the starter, maintenance and profit gauge of the pasture program.

He emphasized that pastures with the wise use of plant food will do four major things for the soil: save the soil from erosion; make the soil rich; grow grass and clover to keep the soil covered, and make money to keep people on the soil.

Mr. Thompson said that man will have to do four things for successful use of plant food on pastures: make a long-time plan for its use; use enough plant food to get results; put in the right seed in the right combination, and manage the grasses and clovers after they get on the pastures.

"The plan for the use of plant food on pasture crops means the same to the pastures as the plan or blueprint for constructing a twenty-story building or a bridge across the Mississippi river," he added. "No one has failed with a good plan for using the correct amount of plant food and many have failed where no plan was made and both used the same amount of fertilizer."

Elected chairman of the council's five-man executive committee was W. T. Wright, vice-president of F. S. Royster Guano Company, Norfolk, Va. Named with Mr. Wright were John V. Collis, Federal Chemical Company; Joseph A. Howell, Virginia-Carolina Chemical Corporation; A. F. Reed, Lion Oil Company, and Paul Speer, United States Potash Company.

The council also appointed a nine-man board of directors. Elected were the following:—W. B. Badenoch, Richmond Guano Company; John V. Collis, Federal Chemical Company; George Cushman, Long Island Produce & Fertilizer Company; Howard Fisher, Michigan Fertilizer Company; George Gage, Anderson Fertilizer Company; C. B. Robertson, Robertson Chemical Corporation; M. S. Wright, Texas Farm Products Company; F. J. Woods, Gulf Fertilizer Company, and J. D. Robbins, Planters Cotton Oil & Fertilizer Company. Mr. Robbins was named to fill the unexpired term on the board ending June 30, 1951. Other board members were appointed for three-year terms.

Representatives Thomas G. Abernathy of Mississippi and Charles B. Hoeven of Iowa, of the house agriculture committee, made appearances at the council sessions and each delivered a short talk. New members admitted to the council were French Potash & Import Company, New York, and T. W. Wallace, Baltimore, Md.

Scheduled for the session on Saturday, July 1, was an address by Albert S. Goss, master of the National Grange; award of prizes in the 1950 essay contest on "Soil Fertility and the Nation's Future," by Assistant Secretary of Agriculture Knox T. Hutchinson, and the annual banquet. The convention was to close on July 2 with election of officers, appointment of the executive committee and election of its chairman.

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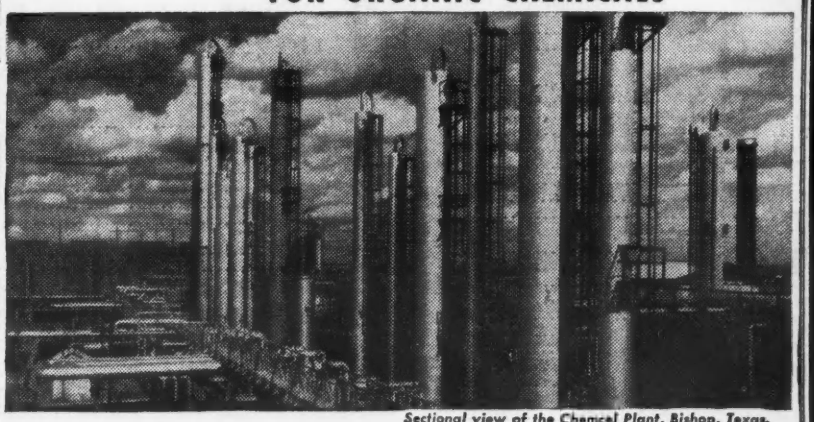

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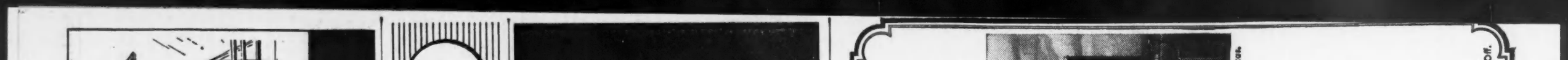
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